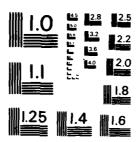
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	- ;										



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USAFETAC DS-82/043

# DATA PROCESSING DIVISION USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

RAMSTEIN AB DL N 49 26 E 007 36 FLU ELEV 782 FT EUAR

MSC #106140 Der

PARTS A-F

POR FROM HOURLY OBS: JAN 73 - DEC 81

POR FROM DAILY OBS: MAR 52 - DEC 81

TIME CONVERSION GMT TO LST: +1

AWS TECHNICAL LITERARY FL 4414 SCOTT AFE, IL 62225

12 6 JUL 198

JUL 2 1 1982

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WAYNE E/ MCCOLLOM Chief, Technical Information Section

Wayne E. M'Collon

USAFETAC/TST

FOR THE COMMANDER

WALTER S. BURGMANN AWS Scientific and Technical

Information Officer (STINFO)

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 82/043	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface	Weather	5. TYPE OF REPORT & PERIOD COVERED
Observations (RUSSWO)-	weather	Final rept.
RAMSTEIN AB, GERMANY (WEST)		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(a)		8. CONTRACT OR GRANT NUMBER(3)
PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical A Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
		12. REPORT DATE
USAFETAC/CBD		26 JUL 82
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18 SUPPLEMENTARY NOTES Supersedes USA	AFETAC/DA-79/101	AD A 079 838
*RUSSWO Daily temperate Showfall Extreme show Climatology Sea-level pressure Relative Humidity *Climatologica*	depth Exti ssure Psyc rature Ceil I data	reme surface winds bremeteric summary ling versus visibility (over)
This report is a six-part statisit RAMSTEIN AB, GERMANY (WEST) It contains the following parts: (AB) Precipitation, Snowfall and Snowfa	A) Weather Condition Depth (daily a sus Visibility; Sum temperatures.	tions; Atmospheric Phenomena; amounts and extreme values); Sky Cover; (E) Psychrometric extreme maximum and minimum

dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

GERMANY (WEST)

RAMSTEIN AB, GERMANY (WEST)

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrance or cumulative percentage frequency of occurring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Date Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

tourly observations are defined as those record or record-upeclat observations recorded at seven that many intervals.

#### DAILY OBSERVATIONS

saley experientions are selected from all data recorded on reporting forms and consided into "minory of the "6, deservations, (detected into record-special, local, summary of the day, remarks, etc.)

#### DESCRIPTION OF SUMMARIES

recession team dection to a specific mention of the late comprising enem, part of the revised inform the manage of furtace weather independent of an accordance of presentations. The next time are prepared from no angles of the recordent of the present of the second of

the construction notes the following planaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

#### STANDARD 3-HOUR GROUPS

And degrated requiring district variations are summarized in eight periods corresponding to the following sets of models occurs occurs on the following sets of models occurs occurs on the following sets of models occurs occurs

#### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-mour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from nourly observations.

JANUARY	APKIL	JULY	ўстой <b>ы</b>
c'i.bhuAixY	MA Y	AUGUS1	NOVEMBER
MARCH	JUTE	JEPTEMBER	DECEMBER.

1061	io on summary '	STATION NAME RAMSTEIN AB GERMANY		N 4		E 007 36	782 Ft	EDAR	106	
	. !	STATION LOCA	TION A	ND IN	ISTRU	MENT	ATION H	ISTOR	Y	
MBER OF ATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS (	OCATION	LATITUDE	LONGITUDE	ELEVATION STATION (FT)	ABOVE WSL TYPE BANOMETER	OBS PEI DAT
1	Ramstein	AB Germany	AB	MAR 52	MAR 63	N 49 25	E 007 35	789 ft	808 ft	24
<b>2</b>	Same		Same	APR 63	MAY 68	Same	Same	Same	8 <b>26</b> ft	24
3	Same		Same	JUN 68	MAR 69	Same	Same	Same	777 ft	24
4	Same		Same	APR 69	DEC 70	N 49 26	s <b>ame</b>	Same	Same	24
5	Same		Same	JAN 71	FEB 78	Same	Same	<b>7</b> 80 ft	Same	24
ō	Same		Same	Feb 78	<b>May</b> 82	Same	E 007 36	782 ft	Same	24
MBER OF	DATE OF	SURFACI	WIND EQUIPMENT	INFORMATION						
CATION	CHANGE	LOCATION		TYPE OF TRANSMITT	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIO	NAL EQUIPMENT.	OR REASON FOR	CHANGE
1	MAR 52	Located 400 ft N of mid	•	AN/GMQ		20 ft				
2 3	JUL 61 APR 64	Located 500 ft N of GCP point of rnwy 27. Located 500 ft N of GCP		,,	11 RO-2	13 ft Same				
4	JUN 68	point on both rnwy 09 a Located 500 ft from cer & 1407 ft from touchdow rnwy 27 & 1300 ft from	and 27. nter of rnw wn point of	y Same	Same	13½ ft				
5	APR 69	point of rnwy 09.  1. Located 500 ft from and 1500 ft from end of		AN/GMQ	11 RO-2	13 ft				

()

UNBER	DATE	SURFACE WIND EQUIPMENT INF				
OF CATION	OF	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS. ADDITIONAL EQUIPMENT. OR REASON FOR CHANCE
		2. Located 500 ft from centerline and 1450 ft from end of rnwy 09.	Same		Same	
6	Jan 71	1. Same 2. Located 500 ft from centerline	Same Same	RO-362	Same Same	
7	May 82	and 1400 ft from end of rnwy 09.  1. Same  2. Located 440 ft from centerline and 1400 ft from end of Rnwy 09.	AN/GMQ-2 AN/GMQ-2	O Same O Same	Same Same	
	•					
	•					
						•
				,		

MAC-5 AFR, III 68-697

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/ arizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

A - 1

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

L TAE CETMATOLOGY PRANCH THE ITAC TO PEATHER SERVICE/MAC

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#### **WEATHER CONDITIONS**

1 144	AMSTEIN AS OL	73-81	، غال
STATION	STATION NAME	YEARS	MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF REATHER CONDITIONS FROM HOURLY DESERVATIONS

MONTH	HOUR\$ (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND: OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	. n= ; ;		10.9	• 2	7.1		23.0	34 • 6	8 • 6			43.2	- <u>3</u> c
	:13=75		1% - 3	. 7	7.2		24.7	35.1	7.0			42.2	: 37
	76-08		19.7	- 8	3.8		28.2	34.3	7.2			41.5	- 37
	9-11		16.8	1.0	10.4		27.1	32.7	13.1			45.0	137
	12-14	_	19.1	1.2	8.7		27.5	20.3	20.2			40,65	۳ <del>۱</del> ۲ ۳
	15-17		15.2	. 7	8.0		23.5	17.8	23.4			41.2	
	18-53		15.1	. 3	6.0		21.8	24.6	18.2			47.9	10:
	21-23		15.1	• 7	6.9		21.3	31.2	13.1			44.3	837
<u></u>											_		
TOTALS			17.	• â	8.0		24.6	28.9	13.9			42.7	0693

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## **WEATHER CONDITIONS**

1 100 "AMSTEIN AB DL 73-81

FEB

STATION

STATION NAME

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FILE	un-02		14.2	• 3	4.7		18.5	32.4	15.4			47.8	762
	n <b>3-</b> a5	-	13.4	. 4	6.8		20.2	33.5	14.4			47.9	76?
	ს <b>ი-</b> 08		13.6	. 9	7.9		22.2	33.3	16.5			49.9	762
	29-11		15.2	• 1	9.8		24.8	29.4	21.5			50.9	762
	12-14	• 3	13.9	. 4	9.8		23.5	14.3	23.6			37.9	762
	15-17		15.1	• 3	7.1		21.5	8.8	26.0			34.8	762
	18-21		14.3	• 5	5.0		19.2	13.5	25.9	• 1		39.5	767
	?1-23		14.3	• 5	4.9	<u>.</u>	19.7	24.0	17.8	•1		42.7	762
TOTALS		. 0	14.3	. 4	7.0		21.2	23.7	26.1	• c		43.8	6296

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#### **WEATHER CONDITIONS**

1 1 4

HAMSTEIN AB DL

73-E1

4 A 1

STATION

STATION NAME

HTHOM

PEPCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOUPLY CESERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
<b>4</b> 0.4	0-02		10.0		1.8	• 1	27.2	19.5	9.7			78.6	: 37
	33 <b>-</b> 35		16.€		1.4		20.1	24.3	7.9			31.9	537
	e=08		17.6		3.3		19.6	28.3	15.4			43.7	237
	.9-11		17.1		3.9		20.4	15.9	24.1			47.5	e 3 <b>7</b>
	12-14	• 1	14.5		2.4	• 5	17.1	7.3	19.6			26.9	£ 3.7
	15-17	• 2	18.8		2.6		20.7	1.7	14.7			15.4	° 37
	18-25	. 1	17.9		1.4	• 1	19•2	2.4	17.4			: २. २	2 3 <b>7</b>
	∂1=23		10.5		1.4		17.9	12.3	13.4			25.7	9.34.
TOTALS		• 1	17.5		2.3	• 1	19.4	14.3	15.2			25.5	6695

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#### **WEATHER CONDITIONS**

1 1 STATION

CAMSTEIN AR IL STATION NAME 73-31

YEARS

1 P " MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF REATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND. OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
* 14	ca-ni:		11.		1 • 2		12.6	16.1	7.3			23.4	ەن:
	7 <b>3-</b> 95	• 1	11.0		1.7		12.2	25.3	5.6			31.9	517
			13.1		5.1		15.4	33.5	14.0			47.4	61°
	9-11	- 1	12.6		2•7		15.1	13.1	19.3			32.3	212
	17-14	. 4	13.6		1.7		14.7	5 • 1	7.9			12.7	9
	15-17	• 6	14.		1.		14.4	3.2	4.5			1.1	- ١ ٥
	13-2	• 1	11.2		• 6		11.7	3.6	5.4			0.1	-1"
	21-23		9.9		i.7		15.9	ð•5	6.4			14.7	F.1
			· <del>- · · · · · · · · · · · · · · · · · ·</del>						· <del> </del>				
TOTALS		• 2	12.2		1.6		13.4	13.6	8.9			22.4	6475

USAPETAC ANY 44 0-10-5(QL A), PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

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### **WEATHER CONDITIONS**

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73-51

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STATION

STATION NAME

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OB\$ WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
47.4	7-77	• 2	1 . • 6		• i		19	19.2	4 • 3			?3.5	÷ 3 =
	73-35	• 4	12.1		_		12.1	30.1	<b>5.7</b>			50.3	- 37
	Jo-35	• 1	13.3				13.3	27.6	13.			4 5	037
	.9-11	• 1	12.3				12.8	5.9	9.4			15.3	337
ı	12-14	.6	11.0				11.9	1.0	4.7			:.6	1,7
	15-17	1.)	֥7		•1		9.7	. 4	3.6			3.9	637
	15-20	1.6	11.5				11.3	1.4	4.1			ذ <b>.</b> 3	: 37
	/1 <b>-2</b> 3	1.0	14.4				14.4	6 • 5	4.3			1 . 3	*36
									<del></del>			<del>                                     </del>	
TOTALS		• 6	12.		٠٦		12.3	11.5	6.3			17.8	6695

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#### **WEATHER CONDITIONS**

STATION

- AMSTRIN AP DL STATION NAME

JU. HTHOM

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
الأول	.a-p.	1 • 2	12.				12.	20.9	6.4			. 3	617
	43-55	1.4	7.8				٧.8	35.1	7.7			47.7	-11
	6=13	• 6	9.5				9.5	70.2	13.7			<b>↓4</b> •	5 <b>1</b> 1
	9-11	• 1	٠.6				9.6	7.0	10.9			17.9	ور -
	1.7-14	1.2	11.4				11.4	1.4	5.7			7.0	
	15-17	3 • 3	12.7				12.2	1.2	3.2			<i>L</i> . 4	÷1-
	13-20	3 • 3	11.2			• i	11.4	2.5	4.5			6.4	417
	21=23	3 • 6	13.3				13.3	9.3	5.7			14.9	A11
TOTALS		1.8	11.1			• ,	11.2	13.5	7•2			70.5	5479

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## **WEATHER CONDITIONS**

1 10	AMSTEIN AS OL	73-01	Jul
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR ORIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jul	7- 1	1.1	4•8				9.8	15.6	<b>5.</b> 3			21.0	437
	. 7-93	2.1	÷.3				9.3	3+.8	5 • 6			40.4	2.7
	36 <b>-</b> 37	. 7	12.5				12.5	29.0	12.9			41.9	837
	9=11	• 5	13.0				13.3	7.4	10.8			12.2	£37
	12-14	1.6	12.2				12.2	1.1	4.5			F . 9	937
	15-17	1.9	11.1				11.1	1.0	2.7			3 • 7	÷ 37
	:⊱ <b>−2</b> €	2.7	11.1				11.1	1	3.5			4.5	837
	21-73	2.2	11.0				11.6	5 • 6	5.9			11.5	<u> 437</u>
						<del></del>	-						
TOTALS		1.5	11.3				11.3	12.1	5.4			18.5	6696

USAPETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

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## **WEATHER CONDITIONS**

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73-81

AUG HTHOM

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG .	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
٠,٠	2-18	. t	8.5				8.5	31.5	5.9			37.4	- 37
	9 <b>3-3</b> 5	1.0	7.8				7.8	48.9	4.2			53.	5.57
	.5 <b>−</b> Ω5	. 4	7.6				7.5	47.8	9.3			57.1	₹37
	9-11		3.6				<b>ర</b> • ప	14.7	19.5			34.2	- 37
	12-14	• 5	9.7				9.7	3.7	10.3			14.0	<i>i</i> 37
	15-17	1.2	8.3				8.0	1.7	7.3			0.5	÷ 37
	13-20	1.0	8.6				8.6	2.9	7.6			1 .6	237
	/1-?3	1.3	5.3				6.3	13.4	8.1			21.4	337
-						·							
TOTALS		ક .	8.1				8.1	20.6	9.0			29.6	6696

USAPETAC PORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

THE SELMATORDER NEW TONDS OF THE COMMENT OF THE COM

STATION NAME

## **WEATHER CONDITIONS**

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73-51

SEP HINOM

STATION

C

PROCENTAGE FREQUINCY OF OUCUPPEACE OF SEATHER CONSISTIONS FROM HOURLY OFSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	.3-51	• 6	<b>∵.</b> 4				9.4	41.7	3 • 3			45.1	910
	23-29	• 6	1 .5				10.5	50.5	2.5			53-1	11.
	.ల=୮ల	•2	3.4				6.4	57.0	5 • 9			55.	2 4 7
	9-11	. 4	4.1				ಕ • 1	26.5	16.2			4.2.7	-11
	17-14	• 2	3.9				3.0	5.7	12.1			17.0	37.9
	15-17	• 1	o • 2				<b>\$•</b> 2	1.5	c.7			17.1	ଜ୍ୟୁବ
	15-20	. 7	ø.5				8.5	7.5	12.3			10.9	817
-	21-23	• 9	<b>∔.</b> 3				9.0	27.7	7.0			34	917
TOTALS		• 5	5.9				8.9	7.3	<b>S.</b> 5			35.5	0479

USAPETAC  $^{\text{FORM}}_{\text{ARY 64}}$  0-10-5(QL A), regyious editions of this form are obsolute

L AL CLIMATOLOGY BRANCH

A - STATHCH SERVICE/MAC

## **WEATHER CONDITIONS**

STATION

-AMSTEIN AB DL

STATION NAME

73-31

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
16.1	ათ-ოი		14.5				14.6	49.3	2.4			31.7	( ; <b>7</b>
	13-35	• 2	13.5		• 2		13.6	51.7	1.7			57.4	£ 3 <b>7</b>
	26+02		18.2				16.2	54.2	3.3			ςυ	637
	[9-11		12.6		• 1		18.6	40.4	12.9			51.3	: 37
	17-14		10.1				16.1	17.4	12.7			30.1	637
	15-17	• 2	14.1				14.1	9.9	14.8		! 	24.7	£ 3.7
	13-23	•1	14.5				14.5	18.4	11.1	L	L	29.5	a3 <b>7</b>
	21-23	• 1	11.1				11.1	36.7	7.9			44.6	357
			<del></del> _						<del></del>				
<b> </b>													
TOTALS		• 1	15.1		• 3	·	15.1	34.8	8 • 1			42.4	6696

USAFETAC JULY 64 0-10-5(QL. A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TE PAL CLIMATOLOGY BRANCH

CATECTAC

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AT PEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

11 197 JAMSTEIN AR DL

STATION NAME

73-81

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF HEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	70 <b>-</b> 37		18.8		2 • 2		21.6	32.8	4.5			37.4	۶ <u>۱</u> ٦
	03-05		23.2		3 • 2		22.0	35.3	4.7			47.0	217
	ರ್ಕ=೧ತ		21.1		4 • 2		24.1	35.0	5 • 1			43.1	647
	,9-11		11.0	•2	5.7		25.6	34.6	8.4			47.	\$ <b>1</b> '
i	12-14		17.3		4.7		26.6	21.9	11.4			33.2	8.40
	15-17		16.7		2.7		18.9	15.3	11.4			26 • 7	817
	13-20		17.8	• 1	2.7		20.4	23.7	8.1			71.9	910
	21-23		15.4	_	2 • 3		20.1	29.1	6.7			35.8	817
						·							
TOTALS			19.9	• 5.	3.5		21.5	28.8	7.6			36.4	6485

USAFETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

L LAL CLIMATOLOGY BRANCH FETAC LEATHER SERVICE/MAC

## **WEATHER CONDITIONS**

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73-61

DLC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
D: C	0-22		21•"	• &	5.5		26.4	29.4	6.9			36.3	+ 37
	03-15		23.2	1.2	5.6		28.3	30 <b>.3</b>	6.3			36.5	- 3 t
_	06-08		22.7	1.0	0.7		28.4	29.0	7.5			36.5	£ 37
	.9-11		20.2	1.1	5.4		28.7	33.3	8.7			47.1	^ <b>3</b> 7
	12-14	• 1	2 • 4	.7	9.0	:	28.0	26.0	10.6			36.7	- 37
	15-17		22.7	• 5	6.8		29.2	23.9	11.0			34.9	237
	18-25		20.3	• 5	5.7		25.4	28.0	9.8			37.5	437
	21-73	• 1	21.1	1.9	4 • 5	• 1	26.3	30.3	8.2			36.0	237
													<del></del>
TOTALS		٠,٦	21.5	. 4	6.5	ر ز •	27.6	28.8	8.5			37.5	99° 5

USAFETAC RAY 64 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

UL PAL CLIMATOLOGY BRANCH PRITAC SEATOTH SERVICE/MAC

## **WEATHER CONDITIONS**

STATION

FAMSTEIN AR IL

YEARS

ALL

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JA	ALL		17.0	. 8	3."		24.5	28.9	13.9			42.7	5693
4, 5		• 3	1 4 • 3	. 4	7.3		21.2	23.7	23.1	• 1		41.5	บ 796
÷ ۾ ∻		• 1	17.5		3	• 1	19.4	14.3	15.2			2 - 5	6595
the.		• 2	12.2		1.6	_	13.4	13.6	8.9			22.4	6478
, 4 A		• 6	12.0		• .		12.0	11.5	6.3			17.8	5595
Jun		1.03	11.1			• !	11.2	13.5	7 • 2			21.0	6470
Jak		1.5	11.3				11.3	12.1	6.4			1 - 8	6846
باز ۵		• 3	8.1				ő <b>.</b> 1	20.6	9.2			25.6	6596
<u>م</u> ے۔	-	• 5	5.9				8.9	27.3	ð•5			35.8	6478
oct		• 1	15.1		•6	_	15.1	34.8	8.1			42.9	5896
NCV			18.9	• ka	3.5		21.5	28.8	7.6			36.4	6485
DuC		• 0	21.5	• 9	6.5	• 0	27.6	26.8	8.6			37.5	6695
TOTALS		• 5	14.0	•2	2.4	• 0	16.2	21.5	10.0	• 0		31.5	78577

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

#### PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
  - (2) A day with freez mg rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
  - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

AL CLIMETOLOLY ROALCH LAT-FE SERVIC /MAC

ATMOUPHERID PHENCYEN!

STATION

STATION NAME

YEARS

MONTH

FERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENT FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
٠٤٠	12.1LY	•	50•1	5.4	26.9	. 6	69.9	67.9	72.7	• 2		~ <b>.</b>	470
		1.0	4 5.00	₹.4	33•1	1.3	b5•3	6 <b>5.</b> 8	77.2	ن د	<u>.</u>	ن. جد	- 19
		? • Z	51.3	• 4	15.3	1.9	50•6	F3.6	77.5			ا بي	- 27
10		4.7	5å.3		֥9	2.6	60.4	61.2	69.4		• 1	<u> </u>	پ کی
		12.3	5 4 2		• 9	1.4	57.3	54.1	54.9		• 2	27.5	, ;
j		17.8	57.6		• 1	• 5	57.6	€ <b>5</b> •1	50.2			-1.	، د ي
J _		16.5	5.5.7			• *	53.7	62.7	55.6		• 2	7~.;	
-		17.5	54.6			• 5	54.6	71.2	×¢ • 4		_• i	H 3 . 1	81.5
		7.07	F			• :	4 - 3	73.7	75.6			?7.3	<i>ب</i> ٠.
:		1.0	52.3		• 5	• 3	52.8	-1.9	75.1			1.7	
N V		• d	67.0	1.1	1 c . 7	• ŝ	65.7	74.3	59.1	• 1.		28.5	ے s <b>۔</b>
δÇ		• 3	55.8	. • ∂	32.5	• 5	70.0	71.7	59.0	• 1			: -
TOTALS		5 • <b>7</b>	54.1	1.3	12.4	1.3	59.8	F8.6	71.1	• 1	•	15.6	1 5 9

USAPETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSIGNETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART B

#### PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and amount. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAIL	Y PRECIPITATION	".00"	equals	none	for	the	month	(hundred	lths)
EXTREME DAIL	Y SNOWFALL	".0"	equals	none	for	the	month	(tenths)	)
EXTREME DAIL	Y SNOW DEPTH	"o"	equals	none	for	the	month	(whole i	inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

#### Air Force Stations:

#### U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 1230GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	
Jun 57-present	at 1200GMT	Jun 57-present	
Jun 5/-present	at 1200GMI	Jun 57-present	at 1200GMT

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## **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

1' 14 HAMSTEIN AB DL STATION NAME 52-61

				AMOUNTS (INCHES)												MONTHLY AMOUNTS		
PRECP	NONE	TRACE	01	02: 05	06.10	11. 25	26 50	51 / 00	1 01 2 50	2 51 5 00	5 01-10 00	,0 0, 50 00	OVER 20 00	OF DAYS	TOTAL NO		(INCHES	
SNOWFALL	NONE	TRACE	0104	0514	1524	2534	3 5 4 4	4564	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4	MEACHE	OF OBS	MEAN	GRE ATEST	
SNOW DEPTH	NONE	TRACE	1	2	3	4.6	7 12	13-24	25 36	37 46	49 60	61 20	OVER 120	AMTS			±	
JAN	7 . 3	21.5	6 • 9	14.2	4 <b>.</b> 5.	11.7	4.8	2.3	• ?					47.3	899	2 • 32	4.~3	. 31
FEB	34.1	18.1	6.1	12.3	9.2	11.7	6.5	1.8	• 2		•	*		47.9	819	1.93	4.83	. , 4
MAR	38.6	19.5	4 • 2	11.4	8.4	10.8	5 • 5	1.2	. 4			• =		41.9	928	1.74	5.56	• 2
APR	34.9	19.4	4 . 2	13.3	7.7	9.9	4.7	1.7	•?		•	•	•	41.7	950	1.68	3.78	. 33
MAY	41.5	18.4	4.0	10.8	6.7	9.7	5.6	2.8	• 5			•		47.3	930	2.18	6.77	• 3 3
אטג	" 1 • 2	18.1	4.0	8.9	7.0	9.8	6.2	3.2	1.6		• •	•		43.7	<b>6</b> L3	2.67	5.87	. 37
JUL	45.	14.6	2.9	1:.3	4 . 3	11.5	6 • 1	3 • 6	• 6			<b>+</b>	•	39.3	886	2.47	6.73	. 68
AUG	44.6	14.7	3.7	9.4	5 • 7	10.4	7.8	2.9	. 9					40.7	962	2.65	7.83	• • 7
SEP	11 0 · 11	13.8	4 - 2	9.3	6.3	10.5	5.3	2 • 1	. 4					37.3	900	1.93	5.76	TPACE
ОСТ	46.0	13.9	5 - 3	11.4	6.7	9.9	4.3	2.4	• 2			1		49.1	937	1.53	4.70	•2
NOV	34 . ₽	18.1	6.2	12.9	7.8	10.5	7 • 7	1.8	. 2					47.1	899	2.10	5.28	. 4 ]
DEC	ا8•4د	22.5	6.5	12.5	7.3	12.3	7.2	2.2	. 9					48.7	930	2.52	6.24	• 2 3
ANNUAL	39.3	17.7	4.8	11.4	7.2	10.7	6.7	2.3	• 5		i			42.9	10823	25.65		$\overline{\mathbf{x}}$

USAFETACOCT 75 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## **EXTREME VALUES**

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION STATION NAME

24 HOUP AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост	NOV	D€C	ALL MONTHS
6.5		**	1.76	.74	•11,	•72	, U A	.78	•77	.7	1.43	1. 5	
53 1	. 31	- 74	.11	. 19	• 7.7	1.50	-54	-23	-62	14.	•25	<b>=1</b> }_	. 1.21
÷ 😉	• 42	1.44	• 25	. 54	.63	1.41	• 90	.02	.46	.45	.58	1.02	] • tr -
55	.71	.63	. 31	.17	.64	. 76	55_	56.	_ 4 }	73.	13,	4.2.2	.79
5 i 🧍	• 4 9	• 21	.20	•6U	. 94	• 8 Si	· 8 3	• 9 2	• 33	.63	• 4 5	• 2.7	• 3 -
57	• 13	•58	• 4 B	.10	.24	1.50	.67	1.35	1.25.	61.	.32	* 7 4 ··	1.56
₹8	1.13	• 56	.52	. 39	.71	.61	.75	1.21	.27	.73	• 30	.45	1.21
<b>6</b> .3	. 3 L	03	.49	. 29	. 23	. 97	. 61	.89	TRACE	45.	.33	. 37.	
51	. 44	. 32	.17	.37	.64	• 5 J	.54	1.21	.57	.37	.42	• F 3	1.21
52 J	.63	.27	.19	.67	.43	1.13	1.61	45.	2	69.	64.	. 255.	1.6
3.2	1.35	.65	.77	1.70	. 46	.22×	1.30	•21	1.20	.15	.42	. 7	1.7
	. 3.3	. 25	.62	. 48	.20	1.58	الاقو	.81	. 39	. 5.7.	.74		لتعة
- 4	• na	. 30	.45	• 24	. 46	.53	• 25	. 44	-54	. 37	.84		- 2
£5 -	.87	• 20	.59	. 27.	-53	.76*	.63	45.	.ن 5 هـ	29.	71.	224	 
56	.45	.32		.47	1.13	.75	• 7 C	-58	. 35	.54	• 35	1.26	1.7
67	.22	.76	45	.71	. 77	.63	. 93	.72	2.13	49#		1.70	
64	.6.	. 40	. 35	.72	.49	.69	. 7 3	1.67	1.11	.48	•7b	. 5.3	1.0
6.	• • • 7	. 58	1.07	_ •51	. 5.5	46*	- 3 S		29	.10	. 53.	- 4	
7: #	. 54	.83	.51	• 65	1.63	.71	1.16	• 22	.24	.27	.39	• 36	1.6
71	. 3 4	19	.23	- 34	.79	. 4 a	.33	42	. 39	5.0	.47		
7.3	34	.47	.26	• 37	.55	1.14	.87	.67	.35.	-19	1.19	. 37	1.19
7.3	- 28	- 34	.07	• 5 4	. 41	.29	.71	41:	391	5.8	.38	43	
74	•19	• 5 <b>1</b>	.35	.20	.49	.40	.71	•31	36	•68	.50	.52	. 7
75	38	. 49	.57	. 3 a	4 3	1.33	. 8 8	8 2	63	.25	.31		<u>.</u> نوفا
76	- 29	.42	•23	• 24	.14	.33	•70	.31	.71	1.78	.64	.69	4.7
77	.63	1.14	.37	40	31	1.01	1.25	.45	ć	.60	.83	5.8 1	1.29
75	•56	.5a	.75	.25	1.45	1.54	.41	.64		• 2 3	.23	1.71	1.7
73	-34	.64	53	.34	.68	53	.68	1.21	77	47	5.8	1.25	1.2
80	- 3 -	.72	.44	• 5 3	-64	1.40	1.40	1.63	- 2	.67	•63	.23	1.6
81	74	.20	57	1.22	34	1.06	.67	.58	s c	1.56	56	89	
MEAN	.320	.579	• 425	491	.589	848	.752	•727	.579	526i	549	614	1.23
S. D.			.223	.323	.345	•472	.318	•406	•412	311	283	4.7	. 330
	• 304	299	928	970	933	900		902	603	97	899	521	13F21
TOTAL OSS.	899	NOTE	* (BAS			HAN EU	886	9021	<u> </u>	<u> </u>	844		

USAF ETAC FORM 0-88-5 (OLA)

EXTREME VALUES

FROM DAILY OBSERVATIONS

1 .1 - - AMSTEIN AB OL STATION NAME

- £ 1

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR.	MAY	JUN	JUL.	AUG.	SEP	ост.	NOV	DEC	ALL MONTHS
. >			5.56	?	. 33	1.33	1.59	2 • 39	3.54	3.65	5.28	4.85	
33	• 53	2.76	• 20	1.29	1.22	5.38	7.42	.9(	1.64	.49	.46	. 73	17.
	1.51	2.27	1.73		1.92	2.65	2.72	4.23	3.22	1.85	1.68	2.42	18.9
c 5	2.92	2.89	1.35	. ? 3	00	3.20	2.58	1.51	1.92	1.65	•65	7.32.	25.3
5 a	2.1 i	.45	• 54	2.7	1.82	1.58	7.80	7.92	2.03	2.03	1.39	ึ่งกิงขึ้	22.4
5.7	.71	2.89	2.17	. 35	8 3	4.26	2.36	3.35	5.23	1.17	.70	1.53	25.6
5 5	4.03	4.20	1.95	1.07	4.63	2.79	2.53	4.38	1.44	1.30	1.26	3.65	₹3.3
59	1.69	• ~ 4	1.63	1.53	.98	2.55	1.84	2.32	TRACE	1.11	1.36	2.80	lé.
6.7	1.99	2.14	• 75	1.72	4.17	1.97	2.51	4.45	1.13	2.64	2.48	3.73	77.9
<u> 51                                   </u>	2.97	1.27	• \$ 9	1.84	2.21	3.61	3.44	1.55	•71	2.19	1.71	? <u>•5</u> 8_	74.6
6.2	3.49	1.92	2.89	3.13	1.€2	.37	4 1.52	.72	3.26	.45	1.34	2.39	*22.5
€3	1 • 15	.81	2.71	1.63	5 3	2.65	.73	4.36	1 . 34	1.27	3.79	<u> </u>	71.7
64	. 31	1.10	2.76	. 91	1.49	1.47	• 6 b.	2.24	1.17	1.51	1.56	1.13	16.1
65	4.71	•60	1.91	1.53	1.84	2.81	* 2.EC	1.61	2 • 8 3	.24	4.76	5.036	¥ <sup>7</sup> ( • ).
to .	1.42	1.52	1.56	2.49	1.97	3.34	3.69	3 . 4 3.	.67	2.88	1.94	4.19	¥.19• t
67	.83	2.09	2 . 16		3 . 5 4	2.75	2.03	2.59	5 . 26	2 • 8 3	<b>* 2.34</b>	2.64	* 2
60	2.76	2.38	1.65	2.38	2.19	1.80	2.94	7.83	7.94	1.41	1.49	1.73	55.7
6 🔻 👢	3.35	2.71	2.73		3.09	2.78	* .88	<b>* .</b> € 7	• 3 šļ	• 23	2.92	• a ( )	4.
7:	1.95	4.48	1.72		3.45	2.33	3.44	• 9 5		1.20	1.25	1.60	٠
71	1.57	85	• 9.0		2.99	2.51	.69	1.61	1.35	• 9 3			
7	1.2	98	1.74	7.32	7.85	2.78	2.17	3.46	1.22	• 4 3	4.27	•71.	23.1
_ 73	. 8 4	1.95	• 23	1.78	1.91	1.25	2.97	1.26	1.02	2.51	1.21	1.45	19.0
74	1.23	1.22	1.66	• 5 3	1.72	1.93	2.15	1.76	1.75	4.67	2.37	3.07	25.0
75	1.75	. 75	2.46	1.24	1.37	4.73	1.52	2.50	2.75	• 5 "	1.54	• 4 3	12.2
- 70	2.37	1.44	• = 1	.74	, 44	. 41	1.51	• 6	2.79	2.53	2.35	2.58∜	13.7
77	3.63	4.31	1.24	1.73	1.17	3.10	1.88	1.96	.74	2.09	3.98	3.17	<del></del>
7.	1.71	1.25	3.15		6.77	3.50	2.32	1.56	1.40	•53	.41	5.24	30.5
	1.56	3.6₫	3.91	7.41	2.20	2.50	1.76	3.97	1.46	1.82	2.93	5.43	3 cot
5 ,	2.24	2.57	2.10		1.53	5.87	6.03	3.59	1.13	95.5	1.93	1.74	33.4
31 j	2.47	.71	3.14		1.20	3.42	2.43	1.64	2.01	4.7€	1.40	4.76	20.7
MEAN	20023	1.934	1.736		2.183	2.668	2.401	2.654	1.930	1.629	2.599	2.518	25.00
S. D.	1.63	1.177	. 952	• 5 3	1.365	1.273	1.111	1.591	1.319	1.181	1.295	<b>1.</b> €Cu	5.67
TOTAL OSS.	8 9 9	819 9776	928	ं व	377	900	586	9.72	900	937	809	97.	1082

USAF ETAC FORM 0-88-5 (OLA)

Stical CLIMATOLOGY BRANCH A: "EATHER SERVICE/MAC

## **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

1 14 PAMSTEIN AB OL 52-81 STATION STATION NAME

						AM	OUNTS (II	NCHES!						PERCENT		MONTHLY AMOUNTS		
PRECP	ECP NONE TRA	TRACE	01	02 05	06-10	11 25	26 50	51 1 00	1 01 2 50	2 51 5 00	5 01-10 00	10 01 20 00	OVER 20 00		TOTAL NO		(INCHES)	
SNOWFALL	NONE	TRACE	0104	0 5.1 4	1 5 2 4	2534	3 5 4 4	4564	6 5:10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4	MEASUR. ABLE	OF TOBS.	MFAN	GREATEST	! FAST
SNO W DEPTH	NONE	TRACE	1 ,	2	3	4.6	7 12	13-24	25.36	37 48	49.60	61 120	OVER 120	AMTS				·
JAN	· ? • 7	? •2	3 • 1	5.9	1.6	• 9	• 1	. 4	• 1					17.1	898	5 • 1	15.7	TRAC
FEB	6.1	17.5	7.7	5.9	1.7	• 9	• 2	• 1			:			16.5	819	4 • 13	13.2	TRACE
MAR	1.2	11.5	3.0	2.4	.6	. 4	• 1	. 4	• 1				i	7.1	928	2.7	13.8	• • •
APR	8 1	6 • 1	1.6	1.0			• 1	. 1					!	2 • %	9:70	• 6	6.3	
MAY	-8.8	1.2										!	,	• • • • • • • • • • • • • • • • • • • •	9301	TRACE	TPACE	• '
JUN	50.											i			900	•9	. 9	• 1
ınr	120.3										:		•		895	•0	• 11	• .
AUG	0.1										1	Ī			973	• 3	• a	• [
SEP	ר • ני				- <del></del> /				i		;		•		969	•1	• a	• :
ост	9 <b>9.</b> 5	• 5			į									,	9301	RACE	TPACE	
NOV	53.2	10.3	2.7	2.6	• 9		• 2	• 1				!	!	6.4	900	1.7	8.8	• (
DEC	56.7	20.5	6.1	3 • 9	1.7	•5	• 3	• 1	• 1				į	12.8	933	3.7	?1.8	•
ANNUAL	57.3	7.5	2.4	1.8	• 5	• 2	• 1	. 1	٠,			1		5 • 2	17833	17.8	$\searrow$	$\overline{\mathbf{x}}$

USAFETAC FORM 0.15-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

BLUFAL CLIMATOLOGY BRANCH LEAFLIAC ALM HEATHER SERVICE/MAC

#### **EXTREME VALUES**

SWIFFALL

FROM DAILY OBSERVATIONS

1 140 AMSTEIN 43 DL STATION NAME

YEARS

#### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV	DEC	ALL MONTHS
5.			≈ 2.0	6.0	. 3	• 7	• 7	• :	• :		5	:	
_52	1.1	2.8		• Ü	TRACE	• )	• 3	•1	<u> </u>	<u></u>		ي ذ و	7.• °
u u	1.8	1.2	• 3	<b>▲</b> 5₁	• 3	• L <sup>1</sup>	• 5	• "	• 1	• <sup>r</sup> .	TRACE	• 1	1.3
55	i	1.9	2 • 2	TRACE	TRACE			• 2.	• .		TRACE	3 • 2	₹•7
55	1.3	2.2	• 2	TRACE	• 0	• 0	• €	• 5	• 1	• 3	TEACE	1.1	7 • 2
57	ڌ •	TRACE	• G	TRACE	TFACE	. 7	• 0,		_• `	_ • : •	TEACE	TRACE_	• 5
5 9	4.9	5 . 1	5.3	• 6	• 3	• 3	•0	• 3	. 7	• ?	TRACE	5	5.3
5.9	3 • 1	TRACE	• (1)	• 1	إذ •	$\bullet \ \mathbb{C}_1$	• t.	• 0,	• .1	• 0	TRACE	TRACL	3.1
ć	2.1	. 3	TRACE	TRACE	• 0	• 0	• 5	• 4	• :	• • •	TRACE		2.0
51	6.3	. 8	TPACE	• 3	• O	• 0	• ii!	• 0	<u>•</u> £.		1.0	5	6 <b>.</b> 3
52 1	• 1	2.4	5.7	TPACE	3	• Ci*		• C.	• ~	TPACE	5.4	. 6	5.7
63	2.7	3 . 4	TRACE	• Gi	• 0		• 0,	• 0,	• -		3	1.4	3.4
54	1.2	• 9	4.4	TRACE			• 2	• 0	• • •		TRACE	3.5	4.4
55 .	1.9	1.2	5 • 1	• C	. 3:	• G;	• di	• 9,	• 15	. 3	. 4 • G	• 5 %	5.1
ან #	. 4	TRACE	* I.O	TRACE	• 0	ز .	• 7	.0	• 0	TPACE		1.2	1.4
67	* • 3		TRACE	• 2	• 2	• 3	• e	• 6	• 7	• .	: • 1	3.	3.5
53	5.8	4 • 0	• 3	. 8	TPACE	• 0"	• 0	• 0:	• -	•	. 7		5.5
6 →	1.7	2.0	. 8	1.3	• 0	. G *	• 0	اي 🔹 🌞	•	. 3			2.4
<del></del>	7.2	2.0	4.7	• 5	• 2	• 0	• 0	• C.		• 3	TPACE	6.7	7
71 5	. 5	. 2	2.6	• 00	. 3	• 0	• 0	• 0.	•	ذ. •	2.0	TPACE	2.5
73	1.5	. 5		. 5	• 0	• 3	. 5	• 0	• 3	TEACE	1.6	• •	1.6
73	. 3	3.8	. 7	. 4,	. 3	• 3	. 3	• 8,	-	TPACE		. 7.	3.4
74	TRACL	. 6	• 1	TRACE	. 5	• 5	• 0	• 3	• .;	•	<u> </u>	• 1	<u> </u>
75	TRACE	TRACE	7.6	1	. 3	. 0	• 0	• 0	. 5	TRACE		TRACE	7.6
76	3.5	2.5	TRACE	• 2	• 5	• 5	• 0	.0	- 5	• 5		1.6	3.5
77	5.4	TRACE	1.2	TRACE	.0	• al	• 0	. 0	ال و		. 5	1.	5.0
76	1.1	2.7	TRACE	TRACE		• 0	• 3	• c	• 5	• 5		2.8	2.3
79	2.9	. 8		TRACE	TRACE	• a	• c	. 0		. 5	1.5	1.	7 . 3
8 !	1.7	TRACE	• 2	- 4	. 3	• 3		• 5	- 0	•0			4.7
81	1.5	1.8	TPACE	3.5	TRACE	. 3	. 5	.0			TRACE		٠,
MEAN	2.22	1.50	1.51	. 48	TRACE	.50	.00	• 20	.00	TRACE	.09	1.61	3.73
S. D.	2.641	1.405	2.249	1.243	• 000	.000	•000	•303	• 000	• 203	3.413	1.636	1.915
POTAL OBS.	898	319	928	9 3	933	900	895	923	326	930		933	10933
<del></del>	1	NOTE	* 15A			THAN E		NTHS)					

LU TAL CLIMATOLOGY MRANCH HELTAG AL FATHER SERVICE/MAG

FROM DAILY OBSERVATIONS

1 1+0 KAMSTETY AS DL STATION NAME

## TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ОСТ.	NOV	DEC	ALL MONTHS
- 1			# 3.S	6.7	• C(	• 0	•0	• 47	• 7			7.5	
5.3	1.3	E • 6	. 7		TRACE			أبذ و					114
54	7.	2.6	• 3	• 8	• 3		• 3	• C	• ^	• 1	10 4 CE	• 1	10
_ 5.5	5.3	9 • 4	6.3	TRACE	TRACE	• 1	<u> </u>			4	TOACE	3.2.	<u> 23</u>
5.6	2.7	3.7	. 2	TRACE	• C	• 4	• 3	. £.	• ~	• 3	TRACE	₹• 🧬	С
57	1.1	TRACE	1	TRACE	TPACE	. 0	<u> </u>	• C,	• 0:		TRACE	IPACE.	;
5 -	7.3	11.6	13.8	1.7	• 9	• d	• 6	• 7	• 🙃	• f	TRACE	7.5	, c
5,0	9.7	TRACE	0	• 1				• C;	<u>. C</u> ,		TRACE	TRACE	<del>.</del>
£, ', "	3.2	. 7	TRACE	TPACE	• 3	• 1	• 7	• J.	• 7	•'	TRACE	5 • 4	û
6.1	8.7	1.3	TRACE	01	• Ü			. 0			1.2		il
3 £	. 1	4.5	9.5		• 0	. 1:		• 0	• 0	TPACE	5 • €	1.5	e 24
5.3	6.4	8.7	TRACE			0			• • •			2.7	13
€4 b	1.4	2.0	6.7	TRACE	• a	• 3	ان •	• 🗇	• 7	• 3	TPACE	7.9	18
45	5.5	4 . 3	8.4		• 0	Q.		• 🖫		• 7	0.9	1.0	1.5
56	• 9	TRACE	* 1.6	TRACE	• 3	• t 1	• C	• 0	• 5	TPACE	3 • i	3.10	± ε
67	* i.2	1.q	TRACE	• 3		- 2	0	0			3	406	A 1
9.0	15.7	7.5	. 4	1.6	TPACE	. 3	• c)	• 3	• .	• 5	2 • 3	6.3	::
50	2.8	13.2	. 9	1.5	1		<u>. 0</u>	* . O			4	7.6	# 78
7 '	10.7	7.7	10.2	1 . 1	• 0	• 0	• 19	• 0	• ^	• )	TRACE	٠, ١	3.9
71	6	. 4	5.2	1	. 1		• U	• Û			6.5	TRACE	12
7.7	3 • 5	. 7	. 3	. 7	• a	• 1	• 3	• a'	• 7	TRACE	2.4	• A 5	5
7.3		8.8	1.4	- 6			2	3		TOACE	2 ور	أوفعا	15
74	TRACE	• 6	• 2	TRACE	• 3	• 0	• 3	• 3	• -	• 3	• (1	• i	
75	TRACE	TRACE	8 • 6	TRACE			• 0			TRACE	TRACE	TRACE	
76	7 • 5	4.3	TPACE	. 2	• 1	. 3	• 0	• 0	• 1	• ≎	2.3	€.9	?1
77	14.2	TRACE	1.2	TRACE	<u>• G</u>	- 3	<u>.</u> :3	<u>• 0</u>	• 0	و ت	• 5	1.0	16
7 ⊬	2.3	9 . 1	TRACE	TPACE	• 0	• 0	• 0	• 0	• ાં	• 7	TRACE	6.0	16
79	13.9	1.6	• 0	TRACE	TPACE			.0	.0		1.2	1.4	18
9	2.3	TRACE	• 2	• 5	• 0	• 0		• 0	• ६	• 1	5.6		1 8
51	7.2	3 • 6	TRACE	4 . 5	TRACE	1	و.	• 3	ان و	ت و	TRACE	21.5	37
MEAN	5.17	3.97	2.66	.54	TPACE	0.0	00	ם ח•	01.	TRACE	1.75	3.50	17.
\$. D.	4.599	4.027	4.073	1.353	•000	.000	.000	•3nd	• 000	100	2.553	4.471	1 .6
OTAL OSS.	898	819	928	ಿಂದ	930	900	895	903	900	930	900	93	1.3

USAF ETAC FORM 0-88-5 (OLA)

SECRAL CLIMATOLOGY BRANCH STOPETAT A: LEATHER SERVICE/MAC

## **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNO. DEPTH (FROM DAILY OBSERVATIONS)

1 :14 ' MANSTEIN AB CL 52-61
STATION STATION NAME YEARS

						AMO	AI) STAUC	(CHES)						PERCENT		MON	THLY AMO	UNTS
PREC P	NONE	TRACE	0'	02 05	C6-10	11 25	26 50	51 1 00	1 01 2 50	2 51 5 00	5 01.10 00	10 01 20 00		OF DAYS	TOTAL NO		(INCHES)	
SNOWFALL	NONE	TRACE	0104	0 5.1 4	1524	2534	3 5 4 6	4564	6 5 10 4	10 5 15 4	15 5 25 4				OF -	MEEN	GREATEST	IFAST
SNOW DEPTH	NONE	TRACE	1	2	3	4.6	7.12	13 24	25 36	37 48	49 60		OVER 120	AMTS				
JAN		13.5	7 . 4:	4.8	4.3		•?							23.5	8.6.8			
FEB	7 .9	10.4	ó • 6	5.1	4.2	2.7	• 1							18.7	818		•	
MAR	8 9	4.3	2 • 2	1.7	.7	, 7.	• 1					· · · · · · · ·		5.4	307			• •
APR	9.4	• 3:	. 1	. 1		• 1								. 3	900			
MAY	20.7		-							:			1		930		· ·	
JUN	• 3									:			*		913			
JUL	3.3														910			
AUG	1 0.0			,	<b>-</b>				•						903			
SEP	(30.)			1					<u> </u>					<u> </u>	950			
ост	100.7	i				;	}		1	;			i		930			
NOV	~3.7	4 - 4	.7	. 8	. 1	. 3						i	1	1.9	989			
DEC	7*.3	1 ~ 9	6.2	1.6	. 4	1.8	. 8		1		1		;	10.9	929			
ANNUAL	91.2	3.7	1.9	1.2	. 8	1.3	. 1							5.1	10785	<del></del>		$\times$

USAFETAC OCT 78 (OL A) FREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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-: '

LE TOE CLIMATOLASY PANCH AL SEATHER SERVICE/MAC

## **EXTREME VALUES**

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

STATION STATION NAME

PAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC	ALL
		_	* 1	54	2)	Ü	j	 اد	-		2		
33-4			TRACE			ū					·	LIPACE.	
54 5	5		TRACE	]	- II	્યુ	j.	3		3		TRACE	ç
5 t	;	5		1							TRACE		
ີ 57 - ∫	5	. 4	TRACE	. ન		3	0	Ţ,	-	]	9	•	ŧ.
5 3			<u>ا</u>	TRACE			<u>}</u>	U				IPACE	
ا ا بوغ	Tu fu	0	1 3	1 14400	יל. ורי	3	0 <sub>1</sub>	۲.	ິ ເ				\$
			المناسب المناسبة المناسبة			<del> }</del>		<u>u</u> ;	<del></del>		•	. IRACE.	
51	á	TRACE		i G	, 2	3	5	<u>.</u>			TPACE	<u> </u>	4
***		7	<u> </u>			1	ار ان	<del></del>		·		TRACE.	
- 3	4	5	2		14 (1	54	<u>ب</u>	D.		. 1	. •	r irace,	-
6.4		<u>_</u>	h			<del>3</del>	<u>_</u>		1		·	·	
65	Ī		. "	i gi	ñ	ŭ	5) 5)	.71	;		-	·	`
ć-6			* 0	3	7	a					<u> </u>	+ <del>-</del>	
67	į	J	,		G.	ā	. lc	D	13	ı ś		ist ;	
5 :	á	* 6	-		7	()	o o	 כ	:	,	2	5	# 6
69	3	4	TRACE	TRACE		G.	•	<b>*</b> Si	î		TRACE	. 2	
7.	H	2	5	ŋ	)	C	21	ΰ	- 3			υ	
7.1	4	TRACE				a	<u>o</u>	<u>_</u>	0	Ú	. 2	TRACE	£
72	1	TRACE	a	1	7	Ð	-1	อ		Ç			1
73	TRACE	3	<u> </u>	<u>u</u>	3	<u> </u>		G	)		2	1	
74	4	a	TRACE	; a	3	O.	<b>1</b>	C)		ن	C	TRACE	TRACE
75		a	7	<u> </u>	0	3		c		0	2	1	
76	6	3	TRACE	q	C	a	J	[]		7	TRACE		6
77	4	1		<u>q</u>						<u></u>	TRACE	1 2	2
78	1	6	آ.	q	O)	Q	)	c	•	S	) 0	2	6
79			- 9	1	a	q	Ü		Q		TPACE	<u> </u>	t
Α;	2	ü	0	g	g	ال	0	O	Ç	3	4	6	5
31		2	0	4		<u> </u>		<u> </u>			TRACE		3
MEAN	2.7	1.9				<u></u>	• C	• 0			•6		4.7
S. D.	2.373		2.047		-000	-300	.000	000	<u>. : : : : : : : : : : : : : : : : : : :</u>	• 7()			2.79
IUIAL USS.	868	818	897		930	900	910	903	900	930	900	979	13735

NOTE \* (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

MOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

\*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrer s amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

LL PAL CLIMATOLOGY FRANCH LAFITAD AT WEATHER SERVICE/MAC

## **EXTREME VALUES**

SUFFACE AITES FROM DAILY OBSERVATIONS!

TATION ANSTEIN AS STATION NAME

61-91

YEARS

MONTH															ALL	
EAR	JAN.	FEI	B. M/	AR. A	PR.	WAY	JUN. '	JUL.	AUG.	SE	:P. (	жт. ————	NOV	DEC	MONT	
- L					1	S	Sw .7.95	35	isu :	SZWS#	348 %	355.	335	<b>#</b> F1		
	S4 4	A 2 W 5 M	4355W	325 N	385 W	26W				44	35F	745 4		36	5 a	
	ENE 2	8E	20W	365W	34₩	*24W	*34	SW#24		3 N	288 *	246	33 N	E 19	*	
54 *	WSW 2	''S w	28ENE	24W	755₩	30W	SW 40				335 1	395 %	505	ू रेड इंड		
5.5	Sa 4	5N	36 Sw	34W	31WS	35S	w 46	*44		55 *	29k 5k			5.3		
: 5	S * 3	84	36 8 S W	45W\$W	4 UW	40W	SW 33	SW 36	SW 2	27NSW	785 A	3455	k 4ih	S % 4 J	_ พ.ร.ส	
5 7	UNW#1	35 W	54454	39W	375 W	475	a 20	. 19	WS	11WSW	25W 36	375 m	32h	2.3	S **	
64	S# 4	215 4	27.5W	475W	29WS	N 36W	26	23/ 35	27/	32241	257 6/	25 6	1 262	5/ '>	S	
65	22/ 2	627/	3224/	2727/	4328	/ 282	4/ 23	23* 37	26= 2	2127/	272 3/	2025	/ 492	4/ 25	281	
7	20/ 2	5221	5325/	41 24/	37 8	/ ?8	9/ 29	37 38	74/ 2	7221	352 1/	3425	/ 332	3/ 34	237	
71		324/	31,217				6/ 35				247 3/	3024	1 377	4/ 71	13/	
7	5/ 3	3221	3127/	5026/	5423	1 472	7/ 33	9/ 30	23/	3028/	35 1/	2424	/ 532	4/ 36	2.1	Ī
73	24/ 2	623/	45, 47	28207	4924	/ 392	6/ 32	7/ 38	26/	3027/	4225/	3530	1 732	6/ 35	â /	
74	27/ 4	526/	4327/	39 9*	2428	/ 3.12	8/ 32	28/ 30	25/ 2	2933/	43221	3425	1 432	5/ 41	77/	
75	27/ 3	310*	24257	3323/	30 6	/ 36	9/ 31	16/ 32	21/	3021/	342 11	3024	/ 401	2/ 36 .	241	
76	25/ 4	6221	2825/	29 7/	2724	/ 312	5/ 29	26/ 29	8/	3823/	297:01	2126	7 532	3/ 3: "	2:1	
77			37,267				7/ 31			2025*	1927	2220	/ 512	9/ 3a <u>"</u>	231	
75	24/ 4	2221	3227/	42 9/	3126	1 252	4/ 31	24/ 32	28/ 2	2525/	332 3/	2224	1 722	67 57	247	-
79				4425/						2823/	281 /	2223	1 422	5/ 54	257	
3.				3423/						3121/		7357		8/ 30.	23/	
31	24/ 3	525/	26251	32 6/	2524	/ 20 3	0/ 32	24/ 43	23/ 2	28227	262 =1	4526	/ 262	5/ 42	24/	
										1				1		
		_i							<u> </u>							_
		i								1				T if		
1									<u> </u>							
Î		ĺ							1					į		
		1							<del> </del>							_
ĺ		1			1		_ ,				1	1		j		
MEAN		-					-		<del> </del>	-	-					-
S. D.	37.	+ +	5.8 3	5.5 3	6.8	73.2	39	32.6	31	7 3	1.2	7.1	30.5	75.1	4	7
OTAL OBS.	4 6	_1	- 1 -				5.990	5.511						5.384	4.	

GLOBAL CLIMATOLOGY BRANCH USAFETAC

ATT MEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 7 - 1 +3	AMSTEIN AS DL STATION NAME	73-81	1485	JA N.
		ALL WEATHER		2000-0200 HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	* *	MEAN WIND SPEED
N	• 2	• 2	• 1				1					• 6.	4.5
NNE	• 5											• 5.	2.
NE	2.4	1.2	. 6	• 1			•					4.3	3.5
ENE	1.7	2.5	. 8				,					5.5	4.6
E	1.5	1.2	. 7									3 . 2	4 . 4
ESE	• 2	• 1										. 4	3.
SE	. 1						1	i		1		1	3.5
SSE	Ĭ	• 1			• 1		i					2	_12=
S	• 5	• 1	. 1						1			71	3.7
SSW	. 4	. 4	. 7	• 1				1				1.6	6.4
sw	1.3	2.0	1.8	1.1		• 1	i					6.3	
wsw	2.2	5 • 5	6.3	6.1	1.7	• 2	.1					22.2	9.5
w	2.0	4 . 8	3.8	3.1	• 2			į				14.0	7.
WNW	. 8	• 5	• 1									1.4	3。:
NW	• 1											- 1	2.0
NNW										]	,		
VARBL			2.4	1.4	• 1	. 2						4.2	11.5
CALM	><	><	><	><	$\geq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$			35.1	
	13.8	18.7	17.6	12.0	2.2	.6	•1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH US/FETAC

# SURFACE WINDS

AT REATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10 140	HAMSTEIN AB DL	73-81	JAN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L. S.T.)
		CONDITION	

SPEED (KNTS) DiR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 2	, 4								1		. 6	3.4
NNE	. 4	1										• 5	2.0
NE	1.3	• 8	• 5						Ĺ	!		2.6	3.9
ENE	2.4	2.9	1.1	. 1								6.5	4 . 8
E	1.3	1.8	. 5									3.6	4.5
ESE	• 2	• 2										• 5	3.5
SE		• 1						1	<u> </u>	!		. 1	4.0
SSE			• 1									1	8.0
S			, 4								1	. 4	8.7
SSW	2	. 4	. 6						<u> </u>			1.2	6.1
sw	1.2	2.3	2.9	1.4	. 4			<u> </u>		i		3.1	7.9
wsw	2.0	3.3	6.8	4.2	1.1	7	.1					18.8	9.5
_w	3.3	3.6	* • 7	1.6	. 4				Ĺ			13.5	7.1
WNW	• 5	1	. 4	. 2								1.2	6.3
NW	. 4	-1						L				5	3.3
NNW			.1	i								1	7.0
VARBL			3.0	2.4	. 2	. 2	.1		L	<u> </u>	1	6.0	11.4
CALM	><	$\geq \leq$	><	><	><	$>\!\!<$	$\geq <$		$\geq <$			35.8	
	13.5	16.6	20.9	9.9	2.0	1.0	•2					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

GECBAL CLIMATOLOGY BRANCH CDAFETAC Als Weather Service/Mac

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -14-	RAMSTEIN AB DL	73-81		JAN
STATION	STATION HAME		YEARS	MONTH
		ALL WEATHER		
		CLASS		MOURS (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	**	MEAN WIND SPEED
N	. 4											4	2.1
NNF	. 4	• 1										. 5	2.
NE :	1 . 2	1.1	. 6									2.9	4.
ENE	2.3	3.0	1.7	• 1								7.0	
Ε	2.6	1.7	. 4	• 2								4.9	
ESE	. 4											. 4	1.
SE	i												
SSE		• 1	. 4									• 5	8.
S	. 4	• 1	• 1									. 6	3.
ssw	. 4	• 6	. 5	•1								1.6	6.
sw	1.3	1.4	3.3		. 4							8.5	8.
wsw	1.3	4.1	7.5		. 7	. 4						18.8	9.1
w	1.6	3.2	5.3		• 1	.4				,		11.7	8.
WNW	. 7	. 7	. 4						·			1.8	4.
NW	• 1							1				. 1	3.5
NNW	• 1	• 1	. 1									. 4	5.
VARBL		• 1	3.1	2.0	• 1			!		1		5.4	10.
CALM	$\geq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	><	$\geq \leq$	34.8	
	13.0	16.4	23.3	13.5	1.3	• 7						120.0	. 4.

TOTAL NUMBER OF OBSERVATIONS

GECRAL CLIMATOLOGY BRANCH LESTETAC ATT REATHER SERVICE/MAC

NNW

VARBL

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 143	RAMS	STEIN AB	DL	HAME			73	-81		YEARS				AN
						ALL W	EATHER							-1100
		_					LASS				_		HOURS	(L.S.T.)
									_		_			
						CON	DITION							
г		<del>, ,</del>	<del></del>						,		<del></del> -	<del></del> -	<del></del>	
ł	SPEED (KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN
[	DIR.		1.0	7 . 10	11.10	17 - 21	24 - 27	20 - 33	34.40	-112/	. 40 . 33	_ 20	-	SPEED
Ī	N	. 4!	1										. 4	1.7
[	NNE	. 4	• 1										5	2.5
[	NE	1.2	1.2	. 5	. 1								3.0	4.4
	ENE	2 • 2	3.6	2.3	• 2								8.2	5.5
Ī	E	2.3	• 8	. 8	.6						1		4.5	5.1
ſ	ESE	. 4	. 4				_				,		. 7	3.3
ſ	SE	. 4									!		. 4	2.0
[	SSE	• 2	• 1										4	2.7
Ī	5		. 3	. 4	2								1.4	7.8
ţ	SSW	. 5	. 7	1.0	. 4					1	1		2.5	7.0
Ī	SW	1.3	2.4	2.0	1.9	.1				<u> </u>			7.8	7.8
Ī	wsw	1.3	3.0	9.3	6.5	. 8	.1			· -			21.3	9.4
1	w	2.4	4 - 1	5.0	3.2	. 4			·				15.1	7.8
ŀ	WNW	1.0	- 5	. 2						-			1 - 7	3 A

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5.7 27.4

GLCBAL CLIMATOLOGY BRANCH USAFETAC

SURFACE WINDS

AI'S WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-140 STATION	RAMSTEIN AB DL STATION NAME	73-81 YEAR	JAN
		ALL WEATHER	1200-1400 HOURS (LET.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	<b>. %</b> .	MEAN WIND SPEED
N	• 5	1.0	• 2									1.8	4.1
NNE	1.1	• 8	• 1					I			·		3.5
NE	1.7	1.6	• 2									3.5	3.5
ENE	2.4	3.0	2.6	6					<u> </u>	i		8.6	5 . !
Ε	1.1	1.7	1.2	. 5					]			4.4	6.2
ESE	• 2			• 1				1				. 4	5.
SE		• 1				<u>.</u>	İ		<u> </u>	1 .		• 1	4 . [
SSE	• ?	• 1	. 1						<u> </u>	i !		5	4.
S	1	7	.6	2				<u> </u>	<u></u>	i i		1.7	7.4
ssw	2.0	1.0	1.0	<b>J</b> 2								4 . 2	4.6
sw	. 4	2.6	3.2	2.6	. 1	• 2						9.2	9.
wsw	. 7	3.6	6.7	7.5	1.2							19.7	10.1
w	2.4	2.6	5.4	4.9	1.1	•1		<u> </u>				16.5	9.1
WNW	1.0	1.0	. 4	• Z				L				2.5	5.4
NW	. 4	• 2			• 1					l			6.
NNW	• 2	. 4							I			. 6	3.4
VARBL		• 1	5.9	1.6	.6							6.1	10.5
CALM		$\geq <$	><	><	><	$\times$	><	><	><	><		15.5	
	14.5	20.4	27.6	18.5	3.1	. 4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

837

GLCBAL CLIMATOLOGY BRANCH USAFETAC

## SURFACE WINDS

ATT WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6147	RAMSTEIN		N HaME			73	-81		YEARS			JAN MONTH
2111121						EATHER				<del></del>		1500-1700 HOURS (L.S.T.)
			<del> </del>		cas	NDITION				<del></del>		
Γ.					1							
j	SPEED (KNTS) 1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	% MEAN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 8	1.2					_					2.0	3 . '
NNE	1.4	. 7	. 4					T				2.5	3.
NE	2.6	1.9	• 1									4.7	3.
ENE	1.6	3.7	3.1	. 6								9.0	6.1
E	• 8	1.4	. 8	1.1				ſ	Í			4.2	7.
ESE		. 4					_					. 4	4.
SE		• 1										1	6.
SSE	• 2		• 1									. 4	5.
S	1.0	. 6	. 4									2.0	5.
ssw	1.3	1.9	, 4	.6	1							4.3	5.
sw	.6	3.5	2.7	2.4	. 2			!				9.4	8.
wsw	1.3	4.2	9.0	6.2	5	• 2						21.4	9.
w	2.0	3.8	4.2	3.1	. 4	. 4						13.9	8.
WNW	1.1	. 8	. 6	.1								2.6	4.
NW	. 7	• 4				.1						1.2	5.
NNW	. 4	. 6	• 1									1.1	4.
VARBL			3.7	1.3	• 2	•1			)			5.4	10.
CALM	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\mathbb{X}$	$\geq <$	$\geq <$	$\geq$	$\geq \leq$	15.5	
	15.9	25.2	25.6	15.5	1.9	. 8						100.3	6.

TOTAL NUMBER OF OBSERVATIONS R37

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 L147	RAMSTEIN AB DL STATION NAME	73-81 YEARS	LAN
		ALL WEATHER	1800-2000 House (L. B.Y.)
		CONDITION	<del>_</del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	, ( <u>4</u> 1	. 4					1						3.
NNE .	. 4	, 7	. 1					1 -	<u> </u>			. 1.2	4.
NE	1.3	1.0				i	1					2.3	3.
ENE	1.7	3.5	2.0	• 5		·						7.7	5.
E	2.6	1.9	1.2					I		1		5.7	4.
ESE	• 2		• 1			l						. 4	4.
SE	. 1						1		1			•1.	1.
SSE	• 1	. 1		• 1								. 4	7.
S	• 5	. 4	• 1	•1								1.1	5.
\$5W	• 2	1.0	. 5	. 5				L	·	İ		2.2	7.
sw	1.0	1.9	2.9	2.3	. 4	1				1		3.5	8.
wsw	1.9	4.1	5.5	5.7	. 8	. 2		Ĺ		L		18.3	9.
W	2.6	4.4	4.4	2.4	5				i 			14.9	7.
WNW	• 2	• 1	. 1	. 1							<u> </u>	. 6	6.
NW	. 4	. 1						L				5	2.
NNW	. 1									}	i	. 1	. 3.
VARBL		• 2	3.2	1.4	_ , 4							5.3	10.
CALM	><	><	><	><	$\geq \leq$		$\geq \leq$		$\geq \leq$			30.7	
	13.8	19.7	20.2	13.2	2.0	. 4						100.2	_ 5.

TOTAL NUMBER OF OBSERVATIONS

GL.9AL CLIMATOLOGY BRANCH .52FETAC A\*\* "REATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 / 14 T	RAMSTEIN AB DL	73-81	JAN
STATION	STATION NAME	YEARS	MONTH
		ALL HEATHER	2 <b>100-23</b> 00
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	31 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	5	• 2										. 7	2.8
NNE	. 2	. 1										. 4	2.3
NE	. 8	. 8	• 5			<u> </u>		İ				2.2.	4.5
ENE	1.7	4.1	1.6	• 2					<u> </u>			7.5	5.3
E	1.1	1.8	. 4				I					3.2	4.1
ESE	• 2							I	L			• 2	2.5
SE									Ì			1	
SSE	• 2	• 2	•1						Ĺ			6	4.0
S	. 5	• 1		.1			]						4.0
SSW		_ , 8	• 6		. 1	.2	I					1.9	9.5
sw	. 8	2.5	2.4	1.0		.2		Ī.				6.9	7.7
wsw	1.0	3.9			1.4							17.9	10.3
W	1.9	4.7	5.1	3.9	. 5				<u></u>			16.1	8.2
WNW	.7	. 1	• 1	. 2								1.2	5.2
NW	• 2											. 2	2.0
NNW												1	
VARBL	1	. 1	2.7	1.0	. 4			1		<u> </u>		4.2	10.2
CALM	$\times$	><	>	><	$\times$		><		><	><	><	36.0	
	9.9	19.6	18.4	12.8	2.4	1.0						120-0	5.1

TOTAL	NUMBER	)F	<b>OBSERVATIONS</b>	•	-

GLUMAL CLIMATOLOGY BRANCH USAFETAC ATE MEATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (143	RAMSTEIN AB DL STATION HAME	73-81 YEARS	JAN HONTH
		ALL WEATHER	HOURS (L S.T.)
		соивтуюн	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	[1 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	<b>i</b> 41	.0									9.	3.5
NNE	. 6	• 3	• 1					Γ 				1.9.	3.3
NE	1.6	1.2	. 4	0.0								3.2	3.9
ENE	2.0	3.3	1.9	. 3								7,4	5.4
E	1.6	1.5	. 7	. 3								4.2	5.0
ESE	. 2	• 1	• 0	• 0								. 4	3.6
SE	• 1	• 7								i .		• 1	3.0
SSE	• 1	• 1	• 1	• 0	•0							. 4	5.9
5	. 4	. 4	• 3	. 1						!		1.1	5.8
ssw	.6	. 8	. 6	. 3	• 0	.0						2.4	6.4
sw	1.0	2.3	2.7	1.8	• 2	• 1						8.1	8.3
wsw	1.5	4.3	7.0	5.9	1.0	• 3	.0					19.8	9.5
w	2.3	3.9	4.7	2.9	. 4	• 1						14.4	8.0
WNW	. 7	• 5	. 3	1								1.6	4.8
NW	• 3	. 1			• 0	.0						. 4	4.3
NNW	• 1	• 1	• 3									. 3	4.1
VARBL		• 1	3.3	1.7	• 3	.1	• 0			i		5.4	10.5
CALM		$\geq <$	$\geq \leq$	><	$\geq \leq$	$\leq$	$\geq$	$\geq$	$\geq \leq$		><	28.9	
	13.5	19.3	22.2	13.5	2.0	6	ם					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 6693

GLOBAL CLIMATOLOGY BRANCH GOVERNAC ATT WEATHER SERVICE/MAC

C

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (147	RAMSTEIN AB DL	73-81	FEB
BYATION	STATION MAME	YEARS	MONTH
		ALL WEATHER	J000-0200
		CLA39	HOURS (L S.T.)
		CONDITION	<del></del>
			<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	, <b>%</b>	MEAN WIND SPEED
N	. 8							1				3	2.
NNE	. 3	• 3					<u> </u>		i				
NE	1.3	3.3	1						İ			4.7	4.
ENE	3.0	3.3	2.0	5			i					8.8	
E	2.1	1.6	1.3	-1								5.1	4.
ESE	. 3											. 3	2.
SE	. 3						1					. 3	2.
SSE	1												
S	1		1				: !					3	5.
SSW	4	. 8	. 3	. 3		1			i			1.8	7.
sw	. 4	. 7	2.0	1.4	. 5		i		I			5.0	10.
wsw	. 5	1.8	6.6	2.2	. 8							11.9	. 9.
w	1.6	2.8	2.6	. 5								7.5	
WNW	. 4	3											
NW	. 3											3	
NNW	- 5											. 5	. 2.
VARBL		- 1	1.2	. 9	3							2.5	11.
CALM	><	$\geq \leq$	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq <$	><	$\geq <$	49.1	
	12.2	14.8	16.1	6.0	1.6	.1						100.0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC Al- "EATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

IC 140	RAMS	STEIN A	B DL STATION	NAME		<u>-</u>	73	-81		rea rs				E B ONTH
						ALL W	EATHER				<del></del>		D 3 U C	0-0500 (L\$.Y.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
ŀ	N	. 81	• 1	<del>i</del>							<del> </del>		. 9	2.0
t	NNE	• 7								<del> </del>	T		. 7	
<u> </u>	NE	2.5	2.5	. 8									5.8	4.2
<u> </u>	ENE	2.4	2.5	2.5	. 5								7.9	5.6
<b>,</b>	E	1.3	1.2	. 7	. 5								3.7	5.1
	ESE	.7	• 1										. 8	2.2
Ţ	SE	. 3						i			]		. 3	1.0
[	SSE		• 3										3	6.0
[	5	_ 3									1		- 3	2.0
	SSW		. 9	• 3	. 1				i	ļ			1.3	6.3
[	sw	• 3	• 7	2.6	1.8				<u></u>				5.4	9.6
1	wsw	1.4	1.7	6.4	3.0	. 4	<u> </u>			·			13.0	8.8
L	w	2.2	2.8	3.0	. 7					! +			8.7	5.9
1	WNW	• 3						<b></b>	<b></b>		ļi		. 3	1.5
į	NW	1								ļ			<u> </u>	
1	NNW	•1	- 1										3	
1	VARBL	<b>_</b>		1.2	. 9	. 4					<u> </u>		2.8	12.0
<u>l</u>	CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	><	$\geq \leq$	47.9	
ſ		13.1	13.0	17-5	7.6	. 8	- 1						100-0	3.4

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

## SURFACE WINDS

AIR WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	TEIN AL						-81					<u> </u>	EB
		STATION	NAM E					'	TARS			<b>E</b> 4	ONTH
	_					EATHER						<u> </u>	-0800
					CL	ASS						HOURS	(L.S.T.)
		<del></del>			CONI	PITION				<del></del>			
										<del></del>			
SPEED (KNTS) DIR.	1 • 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	• 5	• 3										. 8	2.8
NNE	1.3	• 1										1.4	2.1
NE	1.7	2.4	. 4									4.5	4.1
ENE	2.0	4.3	2.5	. 4							Ч	9.2	5.5
E	2.5	• 7	• 9	. 7								4.7	4.9
ESE	• 8	. 4	• 1								1	1.3	3.1
SE	• 1	• 1										. 3	3.5
SSE	. 3											3	2.0
S	1	_ 3									9	. 4	3.7
\$5W_	. 4	• 7	. 8	. 1							1	2.0	6.8
sw	. 4	1.3	1.4	1.4	. 4							5.0	9.1
wsw	1.0	2.9	4.3	4.7	. 5						1	13.5	9.4
w	1.8	3.7	1.7	. 7	. 1						- 1	8.0	6.0
WNW	. 5	. 4	.1								Į.	1.0	4.1
NW	. 3	. 1									1	. 4	3.7
NNW													
VARBL		• 1	2.1	. 9	.5							3.7	16.9
CALM	><	><	><	><	> <	$\overline{}$	> <	> <	$\overline{}$	$\sim$		43.6	

TOTAL NUMBER OF OBSERVATIONS

GLERAL CLIMATOLOGY BRANCH USAFETAC

AL WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10.140 STATION	RAMSTEIN AB DL STATION NAME	73-81 YEARS	FEB MONTH
		ALL WEATHER CLASS	0900-1100 HOURS (L.S.T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	•	MEAN WIND SPEED
N	. 5	• 5										1.3.	3.
NNE	1.7	. 9							<u> </u>			2.6.	
NE	1.4	3.1	. 1				! 			1		4.7	4.
ENE	2.8	4.1	4.3	. 1				L		·		11.3	6.
E	2.5	1.7	2.1	1.0					L	1		7.3	5.
ESE	.9	. 4	- 1					ļ	ļ	<u>:                                    </u>		1.4	
SE		• 1								!		•1	4.
SSE	• 5	• 3						; <del></del>	<del> </del>	L			
_ S		. 4						<u> </u>	<b></b>	<u>                                     </u>		. 8	6,
ssw	• 5	• 5		• 5		ļ		<u>!</u>				2.5	
sw	.4	1.7	2.0		. 5			ļ				6.3	9
wsw	1.0	1.8		4.1	1.2				<u></u>			13.5	9
w	1.4	2.9		1.6				<del></del>	L			9.1	7,
WNW	. 5	• 7						<b></b>		ļ		1.2	
NW	. 3	1										. 4	2
NNW	• 1	. 1								ļ	·	. 3	
VARBL			4.7	1.3	3					<u> </u>		5.3	_ 9.
CALM	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		><	$> \leq$	30.3	
	14.7	19.4	23.2	10.4	2.0							100-0	_4.

TOTAL NUMBER OF OBSERVATIONS

GECBAL CLIMATOLOGY BRANCH AT: MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-14	RAMSTEIN AB DL	73-81	FEB
STATION	STATION NAME	YEA	RS MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	) &	MEAN WIND SPEED
N	1.0	1.3										2.4.	3.8
NNE	2.1	3.5	. 1									5.8	4.1
NE	3.9	5.8	1.4									11.2	4.4
ENE	2.5	3.8	3.7	. 7	• 1					!		10.8	6.2
E	1.0	• 9	1.4	1.0								4.5	
ESE	• 7	• 4										1.3	3.1
SE	. 3						_					• 3	3.0
SSE	• 3	• 1	• 1									. 5	4.3
S	• 8	. 7	. 3									1.7	4.5
SSW	• 3	1.3	1.2									2.6	5.4
sw	• 9	1.3	3.5	1.7	. 9	. 4		İ				8.8	10.2
WSW	1.3	2.6	5.6	3.8	. 8					,		14.2	9.2
w	1.8	3.1	3.5		. 3							11.7	8.0
WNW	• 5	. 9	. 4									1.8	
NW	• 3	• 3										. 5	3.5
NNW	• 1	• 5										. 7	3.8
VARBL	• 3		6.6	3.4	. 3					1		10.5	10.2
CALM		$\times$	> <	><	$\geq <$	$\times$	$\times$	><	><		><	11.0	
	18.1	26.6	28.0	13.5	2.4	_ 4						120-0	6.5

TOTAL NUMBER OF OBSERVATIONS

GL08AL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SW

WNW

NNW

VARBL

1.8

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

RA RA	MSTEIN	AB [	STATION A	KAME -			73	-81		YEARS				EB PHTH
					<del></del>	ALL H	EATHER		,					1700 (L. T.)
						COM	MOITION							
SPEED (KNTS)	1 - 3		- 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND
DIR.				, , ,									<del></del>	SPEED
N	1.	4	1.1	. 4				1		<u> </u>			2.9.	3.5
NNE	2.	9	3.5	• 5			<u> </u>				<del> </del>			4.1
NE		5	7.1	1.8							·		12.5	4.7
ENE	2 •	0	3 . 4	2.8	• 5			!				_	8.7	6.0
E		9	1.2	2.0	1.6								5.7	7.9
ESE		4	. 7				}				7		1.1	4.0
SE		3	• 1										. 4	2.3
SSE		4	• 1	• 3							!		. 3	4.
S	1.	3	1.4	. 4			1				:		3.2	4.
SSW		6	1.6	. 7	- 1			1					3.9	4.4

TOTAL NUMBER OF OBSERVATIONS 761

10.7

8.3

10.8

.8

9.1.

9.6 100.0

USAFETAC FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2.6

3.9

6.8

7

GLCRAL CLIMATOLOGY BRANCH US:FETAC AI: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

1 -140	RAMSTEIN AB DL	73-81		FEB
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER	<del></del>	1830-2300 Hours (Ls T.)

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	AEAN WING SPEED
N	. 7	. 4	•1									1.2	3.
NNE	3.0	. 8										3.8	2_
NE	3.0	2.6	1			<u> </u>						5.8.	
ENE '	5.1	4.9	2.2	• 3		1	İ					12.5	4
E	3.3	1.6	. 5	• 5								6.4	4
ESE	• 3	1										. 4	2
SE	• 8	• 3							i			1.0	2
SSE	• 1	. 3								1		. 4	3
5	. 9	. 3										1.2	3
ssw	1.3	1.7	. 8									3.8	4
SW	. 9	1.0	1.8	1.2	. 7	. 4						6.0	10
wsw	1.2	1.4	4.3	2.8	• 5							10.2	9
w	2.2	2.1	1.7		• 3							6.7	5
WNW	• 3	. 3		• 1		i		i				. 8	6
NW	•1											.1	3
NNW	• 1						i					-1	1
VARBL			2.1	1.4	- 1	-1				1		3.8	11
CALM	><	$\geq <$	$\geq \leq$	$\times$	$\geq$	$\times$	$\geq$	$\geq$	$\geq \leq$		$\geq <$	35.7	
	23.8	17.7	14.0	6.7	1.6	. 5						100-0	

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY STANCH USAFETAC ATP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4											4	
NNE	. 7	. 7				T						1.3	
NE	2 • 5	2.0	. 4									4,9	3.
ENE	2.6	3.8	2.1	• 5			!	}				9.1	5.
E	2.0	1.7	. 5	• 8								5.0	5.
ESE	. 7											. 7	1.
SE	• 3									i	·	. 3	2.
SSE	• 3	. 1					1					4	3.
5	• 1	. 4	. 1										5.
SSW	. 4	• 9	. 9	• 3					1	ļ		2.5	6.
sw	• 5	2.1	1.4	1.1	. 3	. 3	1					5.8	9.
wsw	1.4	1.4	3.8	3.8	. 3							13.8	9.
w	1.7	1.7	1.8	• 5								5.8	6.
WNW	- 3	. 1	1										S.
NW	• 1												3.
MMM	. 4									:	!	. 4	2.
VARBL			1.4	. 7	. 7					i		2.3	12.
CALM	$\geq \leq$	><	$\geq \leq$	><	$\geq \leq$	$\geq \leq$			$\geq \leq$			46.8	
	14.3	15.0	12.7	7.6	1.2	3	1					100.0	3.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -145 STATION	RAMSTEIN AB DL STATION NAME	73-81	YEARS	FEB
		ALL WEATHER		HOURS (L.S.T.)
			<del></del>	

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	•	MEAN WIND SPEED
N	- 81	. 5	• 1									1.3.	3.
NNE	1.6	1.2	1						L			2.9.	3.
NE	2.5	3.6	. 7									6.7	4.
ENE	2.8	3.8	2.8	. 4	0							9.8	5.
E	2.0	1.3	1.2	. 8								5.3	5.
ESE	• 6	• 3	• 0									• 9	
SE	• 3	• 1										. 4	2.
SSE	• 2	• 1	• 0									. 4	3.
S	. 4	. 4	• 2									1.1	4.
SSW	•6	1.1	. 7	. 2		•0						2.6	6.
sw	• io	1.3		1.6	. 5	.2	.0					6.3	9.
wsw	1.2	2.1	5.1	3.5	.7							12.6	9.
w	1.8	2.8		1.1	.1							8.5	6.
WNW	. 4	. 4	• 1	• 0								1.1	4.
NW	• 2	• 1	•0									. 3	3.
NNW	• 2	• 1										. 3	2.5
VARBL	0.0	.0	3.3	1.4	. 3	.0						5.2	10
CALM			$\searrow$	$\searrow$	><	><	><	$\times$			> <	34.5	
	16.3	19.1	19.1	9.1	1.6	-2	.0					100.0	4.

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC

# SURFACE WINDS

AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 140 STATION	RAMSTEIN AB DL STATION NAME	73-81 YEARS	MAR HONTH
		ALL WEATHER	COOD-0200
		CONDITION	
	· · · · · · · · · · · · · · · · · · ·		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55 ≥ 56		MEAN WIND SPEED
א	. 2	. 2	1									4.4
NNE	• 6	. 4								·	1.0	3.0
NE	1.9	1.7	. 5	• 1				Ĺ		<u> </u>	4.2	4.1
ENE	1 - 3	2.5	. 8	• 1			i L				4.8	4,9
E	1.7	. 6	. 2						l	1	2.5	3.7
ESE	• 2						!	ļ	1	<u> </u>	2	2.5
SE		• 2					<u>.</u>				• 2	6.C
SSE	• 1						i 		L			3.0
5		• 5	. 2					1	<u> </u>	i		6.0
ssw	• 2	• 6	. 6	•2		<u> </u>	<u> </u>	1	ļ		1.7	6.4
sw	1.3	2.0	1.9	2.0	. 4		<u> </u>			İ	7.7	8.3
wsw	1.3	3.2	6.5	2.6	. 5				i •		14.1	8.3
W	2.3	3.1	1.4	1.2	.1			<u> </u>	·	ļ	8.1	6.1
WNW	1.4	• 7		.1			L				2.3	3.4
NW	• 5	• 2						<u> </u>			. 7	2.8
NNW	• 2	• 1				L		<u> </u>		! 	. 4	2.3
VARBL		• 1	1.3	. 7		.1					2.3	10.6
CALM	><	$\geq <$	><	><	$\geq \leq$	><	$\geq \leq$		$\geq \leq$		48.4	
	13.4	16.3	13.6	7.2	1.9	.1					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIN WEATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	PAMSTEIN AB DL	73-81	MAR
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	0330-0500
		CLASS	HOUES (L S T.)
	***************************************	CONDITION	<del></del>

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	5	• 6	• 2									1.3.	4.4
NNE	• 2	• 5	• 1										_ 403
NE :	1.9	1.3	. 7									3.9	4.
ENE	1.0	2.5	. 8							i		4.3	4 . 9
E	1.6	. 8										2.4	3.2
ESE 1	, 4	. 2										6	2.8
SE		• 1											4.0
SSE	• 1							 <del>   </del>	<u> </u>	i :			2.0
S		• 1	•1							· · · · · ·		2	7.0
SSW	• 2	. 5	.2						ļ			1.0	5.3
sw	1.1	1.8	2.9	1.4	1	1						7.4	8.3
wsw	1.3	3.8	6.2	3.6	. 6							15.5	8.5
w	1.9	3.2	2.7	1.3	. 2				i 			9.4	6.7
WNW		1.0	. 2									1.3	4.7
NW	- 6	. 4								<u> </u>		1.0	3.4
NNW	• 1		• 2									. 4	5.7
VARBL			1.7	6								2.3	9.5
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	><	><	$\geq <$	$\geq \leq$	><	47.9	
	11.0	16.8	16.2	6.9	1.0	1						100-0	3.5

TOTAL NUMBER OF OBSERVATIONS

SLUBAL CLIMATOLOGY BRANCH US AFETAC ATO JEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 c140	RAMSTEIN AB DL STATION NAME	73-81 YEARS	MAR MONTH
		ALL WEATHER	3630-0800 Moura (L. T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 7	. 4	. 2									1.3	4.1
NNE	• 5	. 4								·			3.7
NE	1.2	1.2	. 6				J	l +			<u> </u>	3.3	
ENE	1.3	2.3	1.6			ļ						5.1	5.4
E	1.8	1.7	.2			İ				·		3.7	3.6
ESE	.6	• 1								· 		. 7	2.2
SE								<u> </u>	L	1			
SSE				L			ļ	<u></u>				· i	
S	• 6	1	. 2				}	<u> </u>		!		1.0	3.8
ssw	1.0	<u>•</u> 5	• 2	.1				<u> </u>	1		: 	1.8	4.5
sw	. 7	2.5	3.6	1.9	.1			<u> </u>				8.8	8.0
wsw	1.3	3.3	5.1	3.2	. 2			<u> </u>		<u></u>	<u>.</u>	13.3	8.5
w	2.9	1.6	3.2	1.4	. 6				l		·	9.7	7.3
WNW	. 7	• 2	• 1				<u> </u>		1	<u> </u>	<u> </u>	1.1	3.6
NW	. 4					İ					İ	. 4	2.7
NNW	- 1	• 1										. 2	4.0
VARBL			2.2	. 8	. 4	• 1						3.5	
CALM	$\supset \subset$	><	><	$\geq <$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			45.6	
	13.7	14.3	17.3	7.5	1.3	1						130.0	3.7

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATC MEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 147 RAMSTEIN AB DL

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.0	7	. 5									2.2	4.4
NNE	1.1	1.2										2.3	3.7
NE	2.3	2.5	• 1	• 1					i			5.0	3.8
ENE	2.6	4.3	2.4	. 8								10.2	5.6
E	1.6	1.4	1.2	• 2								4.4	5 . 4
ESE	. 7	• 1			.1							1.0	3.6
SE	. 1	• 1									i	. 2	4.5
SSE	• 2	• 2										5	3.0
5		. 8	• 6									1.4	6.3
SSW	. 4	1.1	• 5	1				Ĺ	<u> </u>	İ		2.2	6.3
sw	1.0	2.5	3.7	3.6	. 6	.1				L		11.5	9.2
wsw	1.3	3.6	6.5	5.1	. 6	.1						17.2	9.2
w	2.5	3.2	5.0	2.0	. 8					L		13.6	7.5
WNW	1.0	. 5	- 1						_	l		1.6	3.2
NW	. 6									Ĺ	Į.		2.0
NNW	• 2	• 6										. 8	3.0
VARBL	• 1		4.7	1.7	- 2	.1				i		6.7	9.7
CALM	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$		18.8	
	16.6	22.9	25.2	13.7	2.4	. 4						100-0	_5.9

SHOTAL NUMBER OF OBSERVATIONS

GLEBAL CLIMATOLOGY BRANCH US!FETAC

AIF MEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -143	RAMSTEIN AB DL	73-81 YEARS	MAR NOTH
313102		ALL WEATHER	1200-1400 HOURS (L.S.T.)
		CONDITION	NOORS (C.S.1.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.4	1.7										3.3.	2.1
NNE	2.0	2.3	. 4									4.7	4.
NE	2.3	2 . 4	1.0	• 2							İ	5.9	4.
ENE	2 • 2	2.4	1.2	1.0							L	5.7	5.9
E	• 5	1.8	2.2	1.1						· :	i	5.5	7.
ESE	• 2	• 2					<u> </u>			·		• 5	3.
SE	. 4	• 1								(	· •	5	2.
SSE	• 2		• 2									. 5	4.
<b>S</b>	• 5	- 6	. 4					1			·	1.4	4.0
ssw	. 8	1.8	1.1	• 1	• 1							3.9	6.
sw	. 7	2.4	4.3	3.9	• 7	• 2		l			· !	12.3	13.
wsw	. 8	3.1	5.9	5.1	- 8	.6		[,				16.4	10.4
w	1.3	3.7	3.9	3.6	1.2					l 	-	13.7	9.0
WNW	. 6	1.3	• 2	. 1						<u> </u>	<u> </u>	2.3	4 . !
NW	. 8	• 5		i						<u> </u>	<u> </u>	1.3	3.4
NNW	- 6	• 5	• 1	i								1.2	4.5
VARBL		. 1	11.7	3.3	• 2					į	L	15.4	9.4
CALM	$\searrow$	><	><	><	$\geq \leq$	$\times$	$\geq$	$\geq \leq$	$\geq$	><	$\geq \leq$	4.5	
	16.4	24.1	32.5	18.5	3.1	. 8						100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM (0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH US FETAC AIS WEATHER SERVICE/MAC

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 :14?	RAMST	EIN A		N N. WE			73	-81	,	TEARS				MAR
		_					EATHER		<del> </del>	<del></del>	<del></del>		150	10-1707
						CON	DITION							
Г	SPEED									]		<del></del>		MEAN
	(KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	WIND

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
×	1.3	1.7	• 2									2.5.	4.
NNE	2.2	2.4	• 2									4.8	3.
NE	1.3	2.9	. 5	. 2								4.9	5
ENE	1.1	2.7	2.0	. 4	. 1							6 • 3	6.
E	. 7	1.4	1.7	.7								4.5	7.
ESE	• 2	• 2	• 1									. 6	4.
SE	• 1	. 4										• 5	4,
SSE		• 6								1		. 6	4.
5	1.2	1.0	. 8									3.31	4.
SSW	1.6	2.9	1.6									6.0	4.
sw	• 5	2.4	3.1	4.1	- 1	.1				i		10.3	9.
wsw	1.0	3.1	5.5	4.7	1.4							15.7	9
w	2.9	4.3	5.1	3 • C	1.0							16.2	8
WNW	. 8	1.3	. 8	.1								3.1	5
NW	. 7	• 6	. 1									1.4	4.
WNN	. 7	. 3										1.6	. 3
VARBL		1	9.2	3.2	- 4					i		12.9	9.
CALM		><	><	><	> <	> <					><	5 • 1	
	16.2	28.1	31.1	16.8	3.0	.1						100-0	7.

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH US&FETAC

PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

AT. WEATHER SERVICE/MAC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

RAMS	TEIN AB	STATION	MAME				-81	<del></del> ;	TEARS			M	AR PATH
		<del></del> .	<del> </del>		ALL W	EATHER						1800 HOURS	(L S.T.)
					сомі	Эгтюн							
SPEED (KN7S) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.1	• 5							1	!		1.6	2
NNE	1.6	.6										2.2	2
NE	2.9	3.5	. 4								i	6.7	3
ENE	2.9	2.4	2.6	• 1								8.0	5
Ε	1.4	1.6	1.1									4.1	4
ESE	. 4	• 1							1			• 5	2
SE	. 6	• 1							1			• 7	2
SSE	- 5	. 6	• 1									1.2	4
5	• 8	. 7	• 1						İ			1.7	3
ssw	1 • 1	2.4	. 6	. 4					1	Ĺ		4.4	5
sw	1.0	3.1	2.2	1.6	. 1	. 4					i	8.2	8
WSW	2 • 3	3.1	4.7	2.6	. 5			<u> </u>				13.1	7
w	3.7	2.9	2.9	1.6	. 1			İ	1		·	10.4	6
WNW	1.1	. 6							<u> </u>		i i	1.7	2
NW	. 4	. 4							<u> </u>	ļ	1	• 7	3
MNW	• 2	1					· · · · · · · · · · · · · · · · · · ·	<u> </u>	ļ	; <del></del>	<u> </u>	.4	2
VARBL			3.7	1.2		ļ		Ļ	Ļ .	<u> </u>		4.9	9
CALM	><	><	><	><	><	><	$>\!\!<$	><	><	><	><	29.6	
	21.0	22.6	18.3	7.4	. 7	. 4						100.0	4

GLUBAL CLIMATOLOGY BRANCH US/FETAC ATS WEATHER SERVICE/MAC

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 / 140 STATION	RAMS	TEIN A		N NAME	<del></del>		73	-81	- ,	YEARS				M A R
		_					EATHER	· <del>-</del> ·						0-2303
						COI	HOITION							
ſ	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	. 4				_						. 7	2.
NNE	2.0	. 4										2.4	2.
NE	1.6	1.6	• 1	• 1								3.3	3.
ENE	2.5	3.1	1.8	• 1								7.5	4.
E	1.1	. 8									1	1.9	3.
ESE	• 5	• 1									1	.6	2.
SE	• 2											• 2	2.
SSE	• 2	-	• 1									. 4	5.
5	• 6	. 4	. 4								1	1.3	4,
S5W	• 5	1.2	• 5	• 2								2.4	6
sw	1.3	1.8	1.9		. 4	•2						6.8	8.
wsw	1.7	3.1	4.9		. 5			1			i	13.3	8.
w	3.0	2.6					i		· · · · · · · · · · · · · · · · · · ·			9.0	6.
WNW	.6	. 7	• 1		-			,		1		1.4	4.
NW										i	i	ii -	
NNW	•1		.1									•2	5.
VARBL	.1		1.9	1.0	•1							3.1	10
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	><	$\geq$	$\geq \leq$	$\geq$	45.3	
	16.4	16.1	13.9	7.1	1.0	2						100.0	3.

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC Alr Weather Service/Mac

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

IPC140	RAMSTEIN AB DL	73-81		MAR
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
		CLASS		HOURS (L S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	••	WEAN WIND SPEED
N	• 9	• 6	• 2							1		1.7	3.
NNE	1.3	1.7	• 1									2.4	3.
NE	1.9	2.1	• 5	• 1								4.6	4.
ENE	1.9	2.8	1.7	• 3	. 0							6.6	5.
E	1.3	1.3	- 8	. 3								3.6	5.
ESE	. 4	• 1	• 0		•0							. 6	3.
SE	• 2	• 1							<u> </u>			• 3	3.
SSE	. 2	. 2	• 1					ļ		1	-	. 4	4.
S	• 5	• 5	. 4									1.3	4.
55W	. 7	1.4	. 7	• 1	• 0				1		,	2.9	5.
5W	. 9	2.3	2,9	2.5	. 3	. 1				1		9.1	9.
wsw	1.4	3.3	5.6	3.8	.6	. 1						14.8	8.
w	2.5	3.1	3.3	1.9	• 5				L		·	11.3	7.
WHW	. 8	. 8	• 2	• 0								1.8	4.
NW	• 5	. 3	• 0								1	. 8	3.
NNW	. 3	. 3	- 1									• 6	3.
VARBL	• 0	• 5	4.5	1.6	• 1	.0				į .		6.4	9.
CALM	$\geq <$	><	><	><	><	><	><	$\supset <$			><	30.7	
	15.6	20.2	21.0	10.6	1.7	. 3						100.0	4.

TOTAL NUMBER OF OBSERVATIONS 6694

USAFETAC FORM JUL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

COLD !

GLOBAL CLIMATOLOGY BRANCH USAFETAC Alt Heather Service/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 140	RAMSTEIN AB DL	73-81	APR
STATION	STATION HAME	TEARS	MONTH
		ALL WEATHER	3000-0200
		CLASS	HOURS (L S T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.0	. 4	• 1									1.5	3.3
NNE	1.6	. 4	. 2							·		2.2	3.2
NE	1.6	1.4	. 2							·		3 • 2	3.9
ENE	1 - 4	1.7	1.1	• 1				l				4.3	4.9
E	1.4	. 4										1.7	2.4
ESE	. 7	. 1							i			. 9	2.3
SE	• 1									,		, 1	1.5
SSE								·		i	·		
S	. 2									!		.2	2.0
55W	- 1	. 4	• 5		. 1							1.1	7.4
sw	• 1	. 7	1.7	• 2								2.8	7.9
wsw	1.1	2.7	2.5	1.0	. 2						i	7.5	7.5
w	2.7	3.3	1.6	• 5	. 2							8.4	5.5
WNW	1.5	. 4									1	1.9	2.5
NW	• 1									1		- 1	1.0
NNW	.9	• 2	•1									1.2	2,9
VARBL		• 2	. 9	• 2	. 1					<u>i</u>		1.5	9.7
CALM	$\supset \subset$	><	><	><	><	$\supset <$		><				61.2	
	14.6	12.4	9.0	2.1	7							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 145	RAMSTEIN AB DL	73-81 YEARS	APR
		ALL WEATHER  CLASS	0300-0500
		COMDITION	

SPEED (FNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	• 7	. 7										1.5	3.5
NNE	.7	. 4	• 1						<u> </u>			1.2	3.9
NE	• 5	1.0	. 1					İ	<u>i</u>			1.7	4.2
ENE	1.2	1.7	1.2	• 1					!			4.3	5.3
E	2.3	. 4	• 2				1		1			3.0	2.8
ESE	- 6											• 6	1.4
SE	• ?							1				. 2	2.0
SSE	• 1						i					1	1.5
S	- 1		• 1						i			• 2	4.0
ssw	- 1		. 4							I			6.8
sw	• 5	1.6	1.0	. 7	• 1		i			Ĭ		4.5	7.7
wsw	1.4	3.1	3.6	1.4				i		Ĭ		9.4	7.0
w	2.8	2.0	2.1	.5								7.4	5.2
WNW	1.5	• 2		• 1								1.9	3.3
NW	. 4											. 4	2.3
NNW		• 1										• 1	5.0
VARBL		• 1	.7	. 4	•1	•1						1.5	11.5
CALM	><	><	><	><	> <	><	$\geq <$					62.0	
	13.5	11.4	9.6	3.2	• 2	.1						100.0	_ 2.1

TOTAL NUMBER OF OBSERVATIONS

GLEBAL CLIMATOLOGY BRANCH USIFETAC

AT WEATHER SERVICE/MAC

WNW NW

VARBL

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14)	RAMS	TEIN A	DL STATION	Hami			73	-81	<del></del>	YEARS				PR
						ALL W	EATHER						0600	-0800
							ASS							(L.S.T.)
						CON	DITION	<del></del>						
		_												
	SPEED (KNTS)	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN
ļ	DIR.													SPEED
Ł	N	. 7	- 7					 			 		1.5.	3.5
[	NNE	1.4	• 2	• 1						<u>i</u>	L		1.7_	3.3
Ī	NE	1.2	2.1	• 2									3.6	4.3
Ī	ENE	1.1	3 . D	• 7	• 2								5.11	5.3
[	E	3.2	1.1	.7							! !		5 • 1	3.6
ſ	ESE	1.5	• 6								,		2.1	2.8
	SE	. 1											• 1	2.0
Ī	SSE	• 1											• 1	2.3
ſ	5	• 1	• 1										• 2	
Ī	SSW	• 1	• 2	• 1	• 1								•6	7.0
Ī	SW	.6	2.0	1.6	. 9								5.1	7.0
ſ	wsw	1.9	2.2	5.3	1.5	• 2							11.1	7.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2.2

7.8

ينق

50.7

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 140	RAMSTEIN AB DL	73-81	APR
STATION	STATION NAME	YEARS	шонти
		ALL WEATHER	0900-1100
	<del></del>	CLASS	HOURS (L.S T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.5	2.2	• 2									4.3	4.
NNE	2.2	2.2	. 5	i								4.9	3,
NE	3.2	4.9	. 7	• 1								9.0	4
ENE	2.5	4.8	2.3	1.0								10.6	5
E	1.5	2.3	. 9	. 7								5.4	6
ESE	• 1	• 6	• 1	• 1								1.0	6
SE	• 2	• 1	• 1							Ī,		• 5	4
SSE	•2											• 2	2
5	• 2	• 2	• 1							1		.6	4
SSW	. 4	. 9	. 5	• 1						1		1.9	5
SW	• 5	1.0	1.5	1.4	•1	.1	•1		1			4.7	9
WSW	. 5	2.3	4.4	3.7	• 2							11.2	9
w	3.3	3.1	2.1	2.6	• 2		· · · · · · · · · · · · · · · · · · ·		1			11.4	
WNW	.6	1.1		• 2		i			1			2.2	5
NW	.6	. 9	• 2				<del>                                     </del>		<del> </del>	1		1.7	4
NNW	1.1	1.2	• 2							1		2.6	4
VARBL	1	• 5	11.2	3.5	•1	<del> </del>	<del> </del>					15.3	9
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	12.6	
	18.8	28.6	25.6	13.5	. 7	.1	.1					100.0	6

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AT MEATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -147	RAMSTEIN AB DL	73~81	APR
BOITATE	STATION NAME	YEARS	RONTH
		ALL WEATHER	1200-1400 HOURS (C.S.T.)
		CLASS	HOURS (L.S.T.)
		CONDITION	=

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	2.5	3.5	. 4									6.3	3.
NNE	2.1	3.8	• 5									6.4	4 . 4
NE	1.4	3.0	. 9	• 2								5.4	5.
ENE	1.2	3.0	2.6	• 6								7.4	6.
E	.6	1.7	1.6	• 2								4.2	6.1
ESE		. 6	• 5	• 2							1	1.4	7.
SE	• 5	• 1	. 4									1.0	4.1
SSE	-1	• 2	•1									.5	5.
S	.6	. 7	• 2									1.6	4.
ssw	. 5	. 7	• 6			.1						2.0	6.
sw	. 4	1.2	1.6	1.4	• 2			1				4.3	9.
wsw	.9	2.5	2.8	2.7	. 5			<del>                                     </del>				9.4	8.
w	1.6	3.5	4.7	3.5	1.0	.4		T				14.6	9.
WNW	. 4	1.4	1.1	.1				1	1			3.0	6.
NW	. 9	1.4						<del> </del>	†	<b> </b>	<u> </u>	2.2	3.
NNW	• 7	1.0	•1						1	1	i	1.9	3.
VARBL		• 2	19.7	5.2	. 4	•1		T	1	i		25.6	9.
CALM	$\searrow$		$\geq \leq$			$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	><	2.3	
	14.3	28.6	37.8	14.2	2.1	.6						100.0	7.

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6143 STATION	RAMSTEIN AB DL STATION NAME	73-81 YEARS	APP
	ALL	WEATHER	1500-1700 HOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	2.2	2.6	.4	. 4								5.6	4.6
NNE	1.5	2.5	• 2									4.2	4.3
NE	1.7	3.2	1.1	. 4								6.4	5.1
ENE	• 5	3.0	2.7	• 6								6.8	7.0
E	. 9	2.1	2.8	•6								6.4	7 • C
ESE	. 4	. 4	1.0				-					1.7	5.9
SE	• 2	• 1	. 1									. 5	4.0
SSE	. 2	• 2	. 1									• 6	3.8
\$	. 7	1.2	. 4							·		2.3	5.1
ssw	• 6	. 7	. 7	• 2								2.3	5.9
sw	1.0	1.6	2.0	• 5		•1						5.2	7.5
wsw	1.1	1.5	3.2	3.2	. 6	.1	. 1	L				9.9	9.6
w	1.4	2.7	5.8	2.6	7	.2						13.5	9.0
WNW	• 6	1.7	1.0	• 2								3.6	5.9
NW	. 4	1.1	. 2	. 1								1.9	5.3
NNW	1.5	1.4	.6									3.5	4.4
VARBL		• 2	17.5	4.7	• 2	.1		L				22.8	9.2
CALM	><	><	$\times$	$\times$	$\geq <$	$\geq <$	><	$\geq \leq$	$\geq <$	><	><	2.8	
	14.9	26.3	40.0	13.6	1,6	.6	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 610

ATH WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH USSEETAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6142	RAM	STE	IN A	8	DL							_	_	_73	3 - 8	1										AP	R	
STATION					STAT	ION NA	ME											YEA	R\$		_					MON	TH	Τ
									_	AL	L	WE	AT	HER	₹			_		_					_1	<u> 200 - </u>	2000	)
												CU.	156													HOURS (	B.T.)	_
			_														 	 										
											•	COND	ITION															
			_						 								 	 										
_				<del>,</del>					 			_			-	_	 	 				 		 - 11				_
ł	SPEED	١.						. 1	 .,		٠.				1		 ١.,						,	 į:			MEAN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.8	2.3	. 4									5.6	3.7
NNE	2.5	3 • 1	• 1						]			5.7	3.5
NE	4 . 4	3.6	1.0	• 1				,	i			9.1	4.0
ENE	1.9	4.0	1.7	. 4								7.9	5.5
E	2.7	1.6	1.5	• 2								6.2	4.7
ESE	. 9	• 7	. 4							1		2.3	4.0
SE	. 4						i					. 4	1.7
SSE	• 6	• 2										9	3.3
S	•5	. 4		• 1								1.0	4.6
SSW	• 7	1.1	. 5	• 1	1							2.6	5.9
sw	. 9	1.4	1.2	. 4								3.8	6.5
wsw	1.6	3.0	3.3	1.9		1						9.9	7.6
w	2.2	4.2	3.1	1.1	• 2							10.9	6.5
WNW	1.4	1.5	. 9	• 1								3.8	4.9
NW	. 7	1.1		• 1								2.0	4.8
NNW	• 5	1.1	• 1	• 1								1.9	
VARBL		• 2	4.9		1			,		j		5.9	8.4
CALM	><	><	><	>	$\geq <$	><			><			20.7	
	24.7	29.5	19.1	5.4	. 4	.1						100-0	4.4

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI? WEATHER SERVICE/MAC

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1:147 RAMSTEIN AB DL 73-81 YEARS HORTH

STATION STATION HARE ALL WEATHER 2100-2300 HOURS (LET.)

SPEED (KNTS) DIR.	7 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	7 : # <b>%</b>	MEAN WIND SPEED
N	.7	. 6	. 4									1.7	4.6
NNE	1.5	. 6								Ĭ	!	2.1	2.9
NE	1.6	1.6										3 • 7	4.1
ENE	1.7	1.4	1.2	. 5								4.8	5.6
E	1.4	• 6	• 1								1	2.1	3.4
ESE	.9	• 1							i	 [	!	1.0	1.6
SE	• 2										i	• 2	2.0
SSE	• 1											• 1	1.0
\$		• 5										. 5	4.8
55W	.7	• 1	• 1		• 2							1.2	6.8
sw	. 4	1.2	. 9	. 1	• 2							2.8	7.0
wew	1.4	3.1	2.5	.7								7.7	6.2
w	2.8	2.8			. 4							8.8	5.7
WNW	2.1	. 4	• 2		·							2.7	3.0
NW	• 5					Ī						. 5	2.3
NNW	. 4	• 2										. 6	3.4
VARBL			1.2	• 5								1.7	9.6
CALM		$\geq \leq$	><	><	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq <$	><			57.7	
	16.4	13.3	9.5	2.2	. 9							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

## DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 147 STATION	RAMS	STEIN A	B DL STATION	N-ME			73	-81	<del></del>	EARS		<del></del> -		PR
						ALL W	EATHER						4	LL
						CI	A44						HOURS	(LS Y.)
		-				COM	DITION				_ <del>_</del>			
			·											
_											·			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
t	N	1.5	1.6	. 2	• 2						· · · · · · · · · · · · · · · · · · ·		3.4	4.0
	NNE	1.7	1.7	• 2									3.6	3.8
[	NE	2.0	2.6	.6	. 1						T;		5.3	4.5
ſ	ENE	1.4	2.8	1.7	. 4								6.4	5.8
Ţ	E	1.7	1.3	1.0	• 2								4.2	5.0
Ī	ESE	.6	. 4	. 2	.0								1.3	4.3
[	SE	• 3	• 0	.1									. 4	3.5
ſ	SSE	• 2	• 1	• 0									• 3	3.4
Ţ	S	. 3	. 4	• 1	• 0								.8	4.6
ſ	SSW	. 4	• 5	. 4	• 1	•1	•0						1.5	6.3
Ī	sw	• 5	1.3	1.4	• 7	•1	•0	• 0					4.2	7.9
[	WSW	1.2	2.5	3.5	2.0	• 2	•0	.0					9.5	8 · C
ſ	w	2.4	3.0	3.0	1.5	. 4	•1						10.3	7.2
1	WNW	1.1	. 8	. 4	•1								2.5	4.7
1	NW	• 5	.6	• 1	•0								1.2	4.3
Ī	NNW	•6	. 7	.2	•0								1.5	4.1

TOTAL NUMBER OF OBSERVATIONS 6477

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAMSTEIN AB DL	73-81	MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	J <b>000-02</b> 00
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.1	• 2										. 4	3.7
NNE	. 5		• 1							i		• 6	3.7
NE	. 7	• 1	. 1									1.0	3.4
ENE	2.3	2.0	• 6	• 1						•		5.0	4
E	3.9	• 8	• 2									5.0	2.
ESE	1.0	• 1										1.1	2.1
SE										1		1	
SSE										<u> </u>			
S	• 2	• 1	• 1							1		• 5	3.6
ssw	. 4	1.0		•1						-		2.0	5 . 8
sw	1.0	1.3	• 7			<del>                                     </del>						3.0	5.0
wsw	2.0	2.6	1.4	.1						i		6.2	4.9
w	3.5	3.7	1.2	. 4		<del> </del>			<del> </del>	†		8.7	4.5
WNW	1.0	• 2				<del> </del>	<del> </del>			<del></del>		1.2	2.6
NW	. 4					<del> </del>						.4	1.
NNW	.4	• 2								<del> </del>	<del></del>	. 6	3.0
VARBL	<del> </del>	-	1.2			<del> </del>	<del></del>	<u> </u>		<del>                                     </del>		1.2	8.7
	$\overline{}$					$\overline{}$							
CALM					$\leq$							63.2	
	17.2	12.6	6.3	. 7								100.0	

TOTAL NUMBER OF OBSERVATIONS 836

SLOBAL CLIMATOLOGY BRANCH USAFETAC

AIF WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 140	RAMS	TEIN A					73	-81						TAY
STATION		_	STATIO						•	YEARS				ONTH
							EATHER							0-0500
		_				•	LASS						HOURS	(L S.Y.)
		_												
						cor	KOITION							
			<del></del> _					,	<del>,</del>				<del></del> -	
	SPEED					1						, i		MEAN
	(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	WIND SPEED
	N	. 6	. 4										1.0	3.0
1	NNE	6	• 2					1					. 8	3.1
	110		1		1			1	T				9 41	2 0

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•6	. 4										1.0	
NNE	• 6	• 2					i 			i		. 8	3.1
NE	. 3	• 6					<u></u>					1.4	2.9
ENE	1.2	2.2	1.0									4 . 3	4 . 5
E	3.1	1.1				L						4 • 2	2.6
ESE	. 6	. 1										. 7	
SE	- 1											• 1	1.0
SSE				. 1								- 1	11.0
S	- 1	• 1										• 2	3.0
ssw	2	. 8	1									1.2	4.8
sw_	. 8	1.9	1.3	. 4								4.4	6.3
WSW	1.2	3.3	1.9	. 5								6.9	
w	3.9	2.3										8.7	4.9
WNW	.7	. 1	. 1									1.0	2.9
NW	• 1	. 1										. 2	3.5
NNW	.5											• 5	2.3
VARBL			1.2		1							1.2	8.6
CALM		$\times$	><		$\geq$					><	><	63.0	
	14.7	13.3	7.5	1.6								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0147 RAMSTEIN AB DL 73-81 ALL WEATHER 0600-0800 Hours (L.s.T.) MEAN SPEED ≥ 56 1 - 3 7 - 10 11 - 16 17 - 21 22 - 27 SPEED • 6 .1 1.6 4.0 NNE 1.6 . 1 2.4 2.5 NE 1.1 3.0 4.7 9.3 4 . 8 4.2 6.9 Ε 1.3 ESE 2.8 SE 1.0 • 1 SSE 1.3 2.4 SSW 2.5 6.0 2.0 5.3 6.2 SW 9.4 2.7 4.5 6.8 9.8 6.4 1.0 WNW NW 2.5 .2 3.5 NNW 3.3 8.9 44.1

TOTAL NUMBER OF OBSERVATIONS 837

SLORAL CLIMATOLOGY BRANCH

SAFETAC ATE MEATHER SERVICE/MAC

WNW
NW
NNW
VARBL
CALM

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAM	STEIN A	B DL STATION	W-WF			73	-81	<del></del> ,	reass .				AY
<b>31-1</b>		_					EATHER		<del></del>				0900	)-1100 (L.S.T.)
						COM	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
Ī	N	1.1	2.0	•1									3.2	4.2
[	NNE	1.0	1.4	• 2									2.6	4.2
[	NE	2.0	3.1	.7	• 1								6.0	4 . 8
[	ENE	2.5	6.3	1.8	• 6								11.2	5.5
[	E	2.3	1.7	2.0	. 8	. 1							6.9	6.2
[	ESE	• 5	• 2	• 2	• 1				L				1.1	6.0
[	\$E	. 4	• 1										• 5	3.0
[	SSE	.6	• 1										.7	2.2
[	5	.4	• 6		•1				L				1.1	4.6
[	SSW	• 2	1.1	.7									2.3	5.9
[	sw	- 5	2.0	2.4	1.7								0.6	8.4
1	******	2 (	7.0											1

					11.9	7.0
					14.1	7.7
				l	2.0	3.1
					• 7	2.8
					1.0	4.5
					18.3	9.4
><	><	$\times$	><		10.0	
					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

8.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (140	RAMSTEIN AB DL	73-81	YEARS	M A Y
STATION	STATION NAME		TEARS	40414
		ALL WEATHER		1200-1400
		CLASS		HOURS (L S.T.)

SPEED (KN75) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.7	2.3	. 2									4.2	4.3
NNE	2.0	2.3	. 2								!	4.5	3.9
NE	1.0	3.9	• 2									5.1	4.5
ENE	• 8	2.4	1.9	• 5								5.6	6.7
E	. 4	2.0	1.6	1.0							į ,	4.9	7.6
ESE	• 5	• 2	• 2	• 2						}		1.2	6 . 2
SE	• 1	• 1					Ī .	T		1		• 2	4.5
SSE		. 7	. 4	. 1						Ĭ	!	1.2	7.0
S	• 6	1.2	. 4									2.2	4.8
ssw	• 1	1.9	1.2	. 4	• 1				!	1	1	3 . 7	7.4
sw	• 4	2.5	2.7	. 8	•1						i	5.6	7.9
wsw	• 5	3.0	4.4	2.4	•1							10.4	8.3
w	2.2	3.0	4.2	1.9	. 4				1			11.6	7.6
WNW	1.0	2.2	• 5	. 4	.1				I		i	4.1	5,9
NW	. 4	• 8	• 2							Ĭ	1	1.4	4.8
NNW	.7	1.1								Ī		1.8	3.9
VARBL		• 2	19.5	8.5	. 7						i	28.9	10.0
CALM	$\searrow$	><	><	><	$\times$	><		$\geq \leq$	$\geq$			2.4	
	12.2	29.9	37.9	16.1	1.6							100.0	7.4

OTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

STIPFACE WINDS

USAFETAC AIR WEATHER SERVICE/MAC

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION

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STAT

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	1.7	1.9	• 2									3.8	4.1
NNE	1.9	2.3	• 2								_ <del></del>	4.4	4.0
NE	1.9	2.5	• 5				L			! 		4.9	4.2
ENE	. 7	3 - 1	1.6	• 6				<u> </u>	l	!		6.0	6.4
E	1.0	2.4	2.3	1.2								6.8	7.5
ESE		. 7	1.1	• 2							·	2.0	7.6
SE	• 5	• 5	• 1									1.1	3.8
SSE	. 4	• 6	• 1					<u> </u>				1.1	3.9
S	1.4	1.1	• 2					! 				2.7	3.5
SSW	. 7	1.1	1.1						<u> </u>		<u> </u>	2.9	5.6
sw	• 5	2.3	3.3	1.0	. 1							7.2	7.5
wsw	1.2	3.0	3.8	1.7								9.8	7.6
w	, 8	4.7	5.4	3.3	• 5	•1						14.8	8.7
WNW	1.3	1.6	.6	• 1								3.6	4 . 6
NW	. 2	. 5	. 4								L	1.1	5.6
NNW	1.1	1.2						L				2.3	3.7
VARBL		• 2	16.1	6.5	1					<u> </u>		22.9	9.6
CALM	$\geq \leq$	$\geq \leq$	$\times$	$\times$	> <	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	2.6	
	15.3	29.5	37.0	14.6	. 8	.1						100.0	7=3

OTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (149	RAMS	STEIN A	B DL				73	-81		TEARS				AY
STATION			STATION			ALL W	EATHER		<del></del>		<del></del>		1800	-2600 (LET)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	<b>%</b>	MEAN WIND SPEED
ļ-	N	2.6	• 8							<u> </u>			3.5	2.7
	NNE	3 • 3	2.3	• 1									5.7	3.4
5	NE	3 - 3	2.9	• 6								!	6.8	3.9
Ţ	ENE	3 - 1	4.3	2.0						Ī			9.4	4.8
Ţ.	E	2.3	2.6	2.3	• 6								7.8	5.7
Ī	ESE	• 7	• 6	• 5	. 1								1.9	5.0
Ī	SE	- 8							!	i .			. 3	1.9
Ī	SSE	- 5	• 1										. 7	2.8
ſ	S	1.6	. 8	• 1									2.5	3.5
	SSW	1.4	1.2	• 5					i	1			3.1	4.0
ſ	sw	. 7	2.5	1.3	. 7			1					5.3	6.6
[	wsw	3.0	2.5	2.5	. 6	.1				<u> </u>			8.7	5.8
[	w	3.2	3.8	5.0	1.4	• 2				·		· !	13.7	6.9
[	WNW	. 7	. 7	• 6	. 4								2.4	5,9
[	NW	. 7	• 2	. 4								i	1.3	4.7
[	MMM	• 2	• 5										. 7	4.7
[	VARBL		• 2	7.6	1.9							<u> </u>	9.8	9.0
	CALM		$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	><	15.8	
		25.4	26.2	23.5	5.7	. 4				]			100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

GEORAL CLIMATOLOGY BRANCH IS SECTAC

### SURFACE WINDS

AIR MEATHER SERVICE/MAC

5W

wsw

NNW WNW

VARBL

1.8

2.8

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14	RAMS	STEIN A	B DL STATION				73	-81		YEARS				A Y
BIATION			8121104	MARE						16445				
							EATHER				_			-2307
						_								,
						col	IDITION				<del>_</del>			
											<del>-</del>			
	SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN
	DiR.	1						<u> </u>		<u> </u>				SPEED
	N	. 7	• 2										1.0	2.5
	NNE	1.4	. 4				<u></u>						1.8	2.5
	NE	2 • 0	1.6	- 1									3.7	3 • 4
	ENE	3.1	2.2	. 6	1								6.3	3.7
	Ε	2.3	. 7	. 5									3.5	3.2
	ESE	1.4	• 2										1.7	1.9
	SE	• 5								<u> </u>			- 5	1.8
	SSE	• 2											. 2	1.5
	5	. 4		• 1					Ĺ				• 5	4.0
	SSW	1.3	. 6	. 2	- 1				1		1		2.3	4 - 1

TOTAL NUMBER OF OBSERVATIONS 836

. 4

2.4

USAFETAC FORM JUL 64 0-8-5 (OL-A.) PPEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1.6

2.3

•

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

1 4140 RAMSTEIN AB DL

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

## SURFACE WINDS

DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

73-81 MAY
VEARS NORTH

ALL WEATHER ALL
CLASS NOUNS (L.E.T.)

COMPITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	1.2	1.1	• 1									2.3	3.
NNE	1.4	1.3	. 1					<u> </u>		l 		2.9	3.
NE I	1.5	2.0	. 3	• 0				<u> </u>	<u> </u>			3.9	4.
ENE	2 • 1	3.4	1,4	• 2								7.1	5.
E	2 • 4	1.7	1.1	• 5	• 🖰							5.8	5.
ESE	. 7	• 3	. 3	• 1								1.4	4.
SE	• 3	• 1	• 0							,		. 4	2.
SSE	• 2	• 2	• 1	• 0								. 5	4.
S	• 6	• 5	• 1	• 0				1				1.2	4
SSW	• 6	1.0	. 7	- 1	• 0							2.5	5
sw	. 7	2.0	1.9	• 6	• 0			]				5.2	7
wsw	1.7	2.7	3.2	1.0	• 0							8.6	6
W	2.9	3.3	3.3	1.7	• 2	.0						11.3	6.
WNW	1.0	• 8	• 2	• 1	.0					1		2.1	4
NW	• 3	• 2	.1	.0						1		. 7	4.
NNW	• 5	• 4	• 0									. 9	3.
VARBL		• 1	8.0	2.8	• 2			]				11.0	9
CALM	><	$\times$	><	><	$\geq <$					><	><	32.2	
	18.1	21.2	20.9	7.1	• 5	.0						100.0	_ 4

TOTAL NUMBER OF OBSERVATIONS

6694

· C

GLEBAL CLIMATOLOGY BRANCH ESSEETAC AIS WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 147	RAMS	STEIN A	DL STATION	u. u.r			73	-81		YEARS				JUN
J					<del></del>		EATHER	·			<del></del>		2020	)-0200 (C#T)
						COI	NOITION				<del></del>			
,	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	1.7											1.2	2.4
	NNE	. 4	• 2										• 6	3.6
	NE	1.5	. 7										2.2	2.9
	ENE	• 5	. 7	. 4									1.6	5.0
	E	. 7											• 7	1.7
	ESE	. 4								L			. 4	1.3
									1 -	1	1			

NNE	. 4	• 2				İ		1		1	<u>i</u>	. 6	3.6
NE	1.5	. 7							$\perp$			2.2	2.9
ENE	• 5	. 7	. 4								1	1.6	5.0
E	.7										i	.7	1.7
ESE	. 4									Ĭ		. 4	1.3
SE	i .	• 1										•1	4.3
SSE													
s	•2		• 1									. 4	3.7
SSW	1.1	. 4	• 1	• 1				I				1.7	3.7
sw	1.1	• 9	. 9	• 1					L _	Ι		3.0	5,2
wsw	1.9	3.3	2.3	• 1						I		7.7	5.2
w	3.5	2.2	1.1	• 2								7.0	4.1
WNW	1.1	. 6	• 2									2.0	3.6
NW	. 7	• 1						I				• 9	2.4
NNW	• 2	• 1									i	. 4	3.7
VARBL			.6	• 2						Ĭ .		. 9	9.3
CALM		$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\supset <$	$\geq \leq$	$\geq$	$\supset <$	$\geq <$	$\geq \leq$	69.5	
	14.3	9.5	5.8	. 9								100-0	1.3

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH

USAFETAC ATE MEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13.140	RAM	STEIN A	D L STATION	MAMP			73	-81		TEARS			- <del></del>	JUN
		_				ALL W	EATHER				<del></del>		3300	1-050C
					<del></del>		IDITION				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
-	N	. 4	. 4								<del>                                     </del>	*	. 7	3.7
	NNE	1.0	• 2										1.2	2.6
	NE	.4	. 9										1.2	4.2
ļ	ENE	• 1	• 2						· · · · · · · · · · · · · · · · · · ·				. 4	3.7
	Ę	1.0									<del></del>		1.3	1.6
i	ESE	. 4	• 1								-		• 5	2.3
	SE	!												
ļ	SSE													
1	s	• 2									<del></del>		. 2	2.0
ĺ	SSW	. 4	• 5	. 4	• 1								1.4	5.8
ļ	sw	• 5	1.0	.7	. 4								2.6	6.7
	wsw	2.7	3.7	1.6	• 2					-		-	8.3	5.0
i	w	3.7	2.7	1.6							1		8.1	4.2
	WNW	.7	. 4										1.1	2.7
	NW	. 4			i						1		. 4	1.3
ļ	WMM	.2	1								1			1.5
	VARBL			1.1	. 2						1 1		1 - 4	9.1

TOTAL NUMBER OF OBSERVATIONS 810

GLORAL CLIMATOLOGY BRANCH USAFETAC

AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 :145	RAM	STEIN A					73	-81						IUN
STATION		_	STATION			ALL W	EATHER	<u> </u>		YEARS	<u>.</u>		ü <b>6</b> 00	PHTH ) = () 8 () () (L.B.T.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
	N	1.1	. 7				<del></del>	<u> </u>			<u> </u>		1.9	2.9
	NNE	. 7	1.0					!	1		1		1.9	3.7
ļ	NE	1.4	1.5										3.3	4.1
ſ	ENE	2.5	2.6										5.3	3.8
Ī	E	3.3	1.9	• 1				i					5.3	3.2
Ī	ESE	1.0	• 1										1.1	1.8
[	SE	i												
	SSE	• 1											.1	1.0
	S										<u> </u>			
	SSW	. 4	1.3	. 5					<u> </u>		<u> </u>		1.9	5.4
Ĺ	SW	1.0	1.5	2.2	• 9	•1							5.7	7.3
ļ	wsw	3.3	4.3	4.0	.7	1			L	<u> </u>			12.5	5.9
ļ	w	4.1	4.6	2.5	• 5				<u> </u>				11.6	4.9
	WNW	1.0	• 2	• 2	.1		L				<u> </u>		1.6	3.9
	NW		•1	•1									• 2	6.7
1	NNW	. 5							ļ		ļi		- 5	2.3
ļ	VARBL	<b>_</b>		2.0	. 4						ĻJ	·	2.3	8.7
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	44.8	
ľ		27-4	10.5	12.5	2.6	. 2	l	l	1	1	}		100 0	2 0

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 147	RAMSTEIN AB DL STATION HAME	73-81 YEARS	MONTH
		ALL WEATHER	0900-1100 HOURS (L. T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	) <b>%</b>	MEAN WIND SPEED
N	1.9	2.6	. 4									4.8	3,
NNE	2.6	3.0									(	5.6	
NE	1.2	3.3	• 2							i	!	4 . 8	4.
ENE	3.1	4.3	. 9	• 2								8.5	4.
E	2.4	2.5	. 4	• 6							1	5.8	4.
ESE	. 9	. 4	• 1							!	,	1.4	3.
SE	• 1										1	• 1	1.
SSE	• 5	• 1										. 6	2.
S	. 4	. 4	• 1					i				• 9	3.
SSW	.7	1.7	. 9	• 1				]				3.5	5.
sw	1.1	2.5	3.2	1.0	. 1							7.9	7.
wsw	2.2	4 . 2	5.2	1.5	. 1							13.2	7.
w	2.5	3.5	5.1	2.1		•1						13.2	7.
WNW	1.6	1.0	. 4									3.0	3.
NW	. 7	. 4	• 1									1.2	3.
NNW	• 5	. 7	• 1									1.4	4.
VARBL	i	. 4	12.0	2.1	• 2							14.7	9.
CALM		><	><	><	><	> <			><			9.3	
	22.4	30.9	29.1	7.7	. 5	•1						100.0	5.

TOTAL NUMBER OF OBSERVATIONS

808

• 2 GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: NEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -140	RAMSTEIN AB DL	73-81	JUN
STATION	STATION NAME	YEARS	MORTH
		ALL WEATHER	1200-1400 HOURS (CS.T.)
		CLASS	HOURS (L.S.T.)
	<del> </del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.9	2.2	• 5									4.6	4.
NNE	1.2	2.8	. 1						<u> </u>	<u> </u>		4.2	4.7
NE	1.1	4.6		• 1							l	5.8	4 . !
ENE	2.5	3.6	• 7	• 2								7.0	4.
E	1.1	1.2	.6	. 4	.1							3.5	5.1
ESE	.7	• 2	• 2							Ī	t	1.2	4.1
SE	•1							[			!	• 1	1.0
SSE	.7	• 1										, 9	2.
S	• 9	7	• 2									1.9	4.
ssw	.7	1.1	.7		-1						1	2.7	5.8
sw	1.0	2.6	4.3	1.5								9.4	7.
wsw	1.0	3.0	4.7		. 4							10.9	8.
w	1.5	4.3	5.9	1.9	•1							13.7	7.
WNW	.7	1.7	1.0	.1								3.6	5.
NW	• 2	1.0										1.2	4.
NNW	1.2	1.2	•2									2.7	4.
VARBL		1.1	16.9	5.4	.6					i .		24.1	9.
CALM	><	> <	><	$\searrow$	> <	> <					><	2.6	
	16.7	31.6	36.3	11.5	1.4							100.0	6.

TOTAL NUMBER OF OBSERVATIONS 810

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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The same of specimens of specimens.

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GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

104140	RAMS	TEIN A	B DL	N MAMF	 			73-83	1		YE	ARS		 	_		JUN
		-			 A(		EATH	ER								150	0~1700
		-				co	MDITION										
F			,	,			<del>, -</del>			<del>, -</del>	<del></del> -			 <del>,</del>			,
	SPEED			ł				l					ì	1	- 3		MEAN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.4	3.5	• 2									5.1	4.4
NNE	3.2	3.3	1							<u> </u>		6.7	3.6
NE	2.3	3.5	. 4							1		6.2	4 . 1
ENE	1.6	3.1	• 5	• 2								5.4	5.0
£	1.1	1.4	• 2	. 7								3.5	5 . 8
ESE	• 5	. 4	• 1									1.0	4.4
SE	• 7	• 1	• 1							1		1.0	3.4
SSE	. 4	. 4	. 1						Ţ			. 9	4 . 3
S	• 6	.7	• 1									1.5	4.2
ssw	• 7	1.0	1.6								·	3.3	5.9
SW	1.0	2.7	3.7	• 9	• 1							3.4	7.1
wsw	1.1	3.8	4.6	2.7	• 1							12.3	8.1
w	1.5	4.0	6.3	3.2	• 6							15.6	8.4
WNW	1.0	1.6	. 9									3.5	5.4
NW	• 1	• 5										. 9	5.1
NNW	• 9	1.1	• 1									2.1	3.9
VARBL	• 1	. 6		4.8	. 4							19.5	9.5
CALM		><	><	><	> <	>		$\supset$	$\supset <$		><	3.3	
	18.3	31.6	33.0	12.6	1.2							130.0	6.1

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH ENAFETAC ALL WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-140 STATION	RAMS	STEIN AE		DH NAME			73	-81	<del></del> ,	YEARS				JUN
		_	<del></del>				EATHER							30-2000 uns (L.S.Y.)
		_				COM	NOITION				_			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.6	2.3									<u> </u>	4,9	3.
NNE	3.6	3.1	• 1									6.8	3.
NE	3.3	3.7	1.0								!	8.0	4.
ENE	2.3	2.0	• 1									4.4	3.
E	.7	1.0	. 4									2.1	4.
ESE	. 1	• 2	• 2							ì	!	. 6	5.
SE	• 5	• 1	• 1				1			1	1	.7	3.
SSE	.6	• 5										1.1	2.
5	1.2	1.7										2.2	3.
ssw	1.4	1.6	. 9									3.8	4.
5W	1.6	2.2	1.9	.7								6.4	6.
WSW	2.7	4.7	5.2	1.5	• 2							14.3	6.
w	3.6	5.7	4.8	1.6	• 1							15.8	6.
WNW	1.2	1.1	. 4	.1								2.8	4.
NW	.6	1.2	• 1									2.0	4.
NNW	• 5	• 5	. 1									1.1	3.
VARBL			6.7	. 9							1	7.5	8.
CALM	$\searrow$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\ge$	$\times$	$\geq$	$\geq$	$\geq$	$\times$	$\geq \leq$	15.2	
	26.7	31.0	22.0	4.8	4							190.0	4.

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIG WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106140	RAMSTEIN AB DL	73-81	JUN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	. 4										1.5	2 • 3
NNE	2.0	1.5										3.5	3.1
NE	2.0	• 7										2.7	2.
ENE	1.0	• 5										1.5	2.7
E	1.1	• 5										1.6	2.8
ESE	- 5	• 1										• 6	1.8
SE	• 1									Ĭ		• 1	2.0
SSE		• 1										• 1	4.0
S	- 1	. 4										• 5	4 . 3
ssw	.9	• 2	. 4									1.5	4 . 6
sw	• 5	1.0	1.1	.6								3.2	7.0
wsw	3.2	2.2	3.0	. 4	• 1							8.9	5.4
w	5.1	3.5	1.1	• 2								9.9	4.1
WNW	1.4	. 4	• 1									1.9	2.8
NW	.6	• 5		.1		1					`	1.2	3.6
NNW	• 2	• 2										• 5	3.3
VARBL		• 1	. 6									.7	3.3 7.7
CALM		><	$>\!\!<$	><	$\times$	$\supset <$	> <		$\supset <$		><	60.1	
	19.8	12.4	6.3	1.4	.1							100.0	1.

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAMSTEIN AB DL	73-81		JUN
STATION	STATION NAME		YEARS	MONTH
		ALL_WEATHER		ALL
		CLASS	<del></del>	HOURE (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	  !	MEAN WIND SPEED
N	1.4	1.5	. 1									3.1	3.7
NNE	1.8	1.9	• 1									3.8	3.6
NE	1.7	2.4	• 3	•0							1	4 • 3	4.1
ENE	1.7	2.1	. 4	. 1							i	4.3	4.4
E	1.4	1.1	• 2	• 2	•0		İ					2.9	4 . 3
ESE	• 6	• 2	• 1								i	. 3	3.3
SE	• 2	• 0	•0							1		. 3	3.2
SSE	• 3	• 2	• 3									5	2.9
5	• 5	. 4	•1		_					i		. 9	3.8
ssw	. 8	. 9	• 7	•0	.0							2.5	5.2
sw	1.0	1.8	2.3	• 8	•0							5.8	7.0
WSW	2.3	3.7	3.8	1.1	•1				<b>†</b>			11.0	6.6
w	3.2	3.8	3.6	1.2	•1	•0				1		11.9	
WNW	1.1	. 9	. 4	.0			ļ		<del></del>	<del> </del>		2.4	4.3
NW	. 4	• 5	• 1	•0						1		1.0	3.9
NNW	• 5	• 5	• 1							, <del></del>		1.1	3.8
VARBL	· 0	. 3	6.7	1.8	• 2					<del> </del>		8.9	9.3
CALM		$> \stackrel{\circ}{\sim}$	$\geq$	><	$\geq \stackrel{\circ}{\leq}$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	34.5	
	18.8	22.1	18.8	5.3	. 5	0						100.3	3.8

TOTAL NUMBER OF OBSERVATIONS 6476

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAMSTEIN AB OL	73+81		JUL
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		0000-0200
		CLASS		HOURS (L.S.T.)
		CONDITION	· · · · · · · · · · · · · · · · · · ·	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	- 1							· · · · · · · · · · · · · · · · · · ·				• 1	1.0
NNE	• 1	. 4										5	
NE	• 1		• 1									• 2	6.0
ENE	1.1	. 4									-	1 1.4	2.5
E	• 6	. 4										1.0	2.8
ESE									<u> </u>				
SE	. 4											. 4	1.7
SSE	• 1						·					• 1	2.0
5		• 1						1		i		•1	5.0
ssw	. 4	.7	• 2		_							1.3	4.7
sw	.7	. 6	2.2	• 6			<del></del>					4.1	7.5
wsw	2.3	2.4	2.4	1.0						t <del>-</del>		8.0	6.1
w	5.1	4.1	1.9					<del> </del>				11.5	4.4
WNW	1.9	. 6	• 1						<b>†</b>			2.6	2.9
NW	• 1	• 1								1		. 2	3.0
NNW	. 4											.4	2.0
VARSL			• 1		• 1		·	<del></del>	<del></del>			• 2	13.0
CALM		> <		><	$> \ddot{c}$						> <	67.9	
	13.4	9.7	7.0	1.9	•1							100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIC REATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6145	RAMSTEIN AB DL	73-81		JUL
STATION	STATION HAME		YEARS	MONTH
		ALL WEATHER		3309-0500
		CLASS	<del></del>	HOURS (L S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 36	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2											• 2	1.5
NNE	• 2	• 2							}			• 5	2.5
NE													
ENE	• 1	• 1										• 2	3.0
E	1.0	. 4					I					1.3	2.4
ESE	• 2					T				I		. 2	1.0
SE	• 1											• 1	2.0
SSE	• 1		• 1									• 2	5.0
s	. 1		• 1							1		• 2	4.0
55W		• 1	• 5									•6	7.4
sw	1.0	2.0	2.3									5.3	6.0
W\$W	2.8	4.3	3.0	. 6								10.6	5.6
w	3.9	3.7	1.6	• 2			L			<u> </u>		9.4	4.4
WNW	1.2	• 2				L	<u> </u>					1.4	2.2
NW	. 2	• 1										.4	2.7
NNW	- 1									l i		-1	2.3
VARBL			. 4									.4	8.0
CALM	><	><	><	><	> <	><					><	68.7	
	11.4	11.2	7.9	. 8								100.0	1.5

CHOITAVER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI: \*EATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

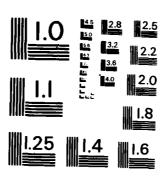
1 1140	RAMSTEIN AB DL	73-81	JUL
STATION	STATION NAME	TEARS	MONTH
		ALL WEATHER	3630-080
	***************************************	CLASS	HOURS (LST)
		CONSTRION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	96	MEAN WIND SPEED
N	• 5											• 5	1.
NNE	• 5	• 2							<u> </u>			. 7	
NE	• 2	• 5	- 1					İ	!				4.
ENE	1.4	1.0		. 1		<u> </u>		İ				2.5	4.
E	2 • 3	1.2	• 1	• 1			i					3.7	3.
ESE	1.1	• 1							1			1 • 2	2
SE	• 1	• 1						!	1			• 2	4
SSE							1						
S	• 1		• 5									• 6	7
55W	• 5	• 5		• 1								2 • 3	6
sw	• 6	1.9	2.8	. 1				!	1	•	-	5.4	6
wsw	3.1	4.8	5.9	1.3		1			+			15.1	6
*	4.4	5.9	3.3			1		1				14.0	5
WNW	1.6	• 2							•	•		1.8	2
NW		• 1				1			•			•1	4
NNW	. 4						1					. 4	2
VARBL	·		1.1	• 1		1				1		1.2	8
CALM		><	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	49.5	
	16.7	16.5	15.0	2.3								100.3	2

TOTAL NUMBER OF OBSERVATIONS

83

,	AD-A12	 TECHNIC	AL ARR	LICATIO	 ST) REVISED UNIFORM SUBBARY OF 2/5 ) AIR FORCE ENVIRONMENTAL ENTER SCOTT A. 21 JUL 82 10-1880 202 F/0 4/2 NL							
								/ -	N			
		-										
	,											



MICROCOPY RESOLUTION TEST CHART
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GLUBAL CLIMATOLOGY BRANCH USBFETAC ATF WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6143	RAMSTEIN AB DL	73-81	JUL
		ALL WEATHER	2930-1193 HOURS (L.S.T.)
		COMDITION	_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	. <b>%</b>	MEAN WIND SPEED
N	1.4	1.3	• 1									2,9	3.3
NNE	2.6	1.2	• 2									4 - 1	3.3
NE	2.0	2.9	. 4	. 1						!		5.4	4.2
ENE	1.8	3.2	- 1	• 1						1		5.3	4 . 2
E	1.1	2.0	• 6			1						3.7	4.5
ESE	1.0	1.0										1.9	3.3
SE	• 1	. 1								!		.2	3.5
SSE	• 2		• 2									. 51	5.0
5	.4	. 4	• 2							1		1.0	4.1
SSW	.7	1.0	1.2	.6								3.5	7.0
sw	1.7	2.0	2.7	1.4			i					7.2	7.7
wsw	1.9	5.5	8.5		_							17.8	7.1
w	2.0	6.1	7.4							1		17.4	7.0
WNW	1.9	1.1	. 4	-		<b>†</b>		T -	T	1		3.3	3.4
NW	• 6	• 2				1				<del>                                     </del>		.8	3.0
NNW	.6	1.1				<u> </u>						1.7	3 . 6
VARBL		. 1	9.9	2.7		<b></b>				<del> </del>		12.8	9.5
CALM	><			$\searrow$	><	$\geq$	> <				> <	10.6	<del></del>
	19.4	29.2	32.0	8.8								100.3	5.0

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIG MEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (140 RAMSTEIN AB DL 73-81 JUL STATION NAME STATION NAME ALL WEATHER 1230-1490 ROUBS (LS.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	2.4	1.1	• 5									3.9	3.
NNE	1.2	1.9										3.1	3.
NE	. 7	2.7										3.6	4.
ENE	. 7	1.2	. 7									2.5	4.
E	1.1	2.5	1.2									4.3	5.
ESE h	• 1	. 7	. 4						i			1.2	5.
SE	. 4		• 2				I		İ			. 6	4.
SSE	• 2	• 2	• 5				<u> </u>					1.0	5.
5	- 8	• 6	. 4									1.6	4.
SSW	- 5	1.0	. 7	1.4			I					3.6	8.
sw	• 2	2.2	2.5	1.3	• 1				i			6.3	8.
wsw	1.3	4.3			• 1							16.0	8.
w	2.2	4 . 8	7.5	3.8								18.3	7,
WNW	1.6	3.0	1.0									5.5	5.
NW	. 7	• 6	• 2			İ		I				1.6	4.
NNW	1.1	1.4	. 4					I				2.9	4.
VARSL		• 6	14.7	4.8								20.1	9.
CALM		$\geq <$	><	><	$\geq$		$\geq \leq$	$\geq \leq$	><	><	$\geq \leq$	3.2	
	15.2	28.8	37.2	15.4	. 2							100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM AA 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 :145	RAMSTEIN AB DL	73-81	JUL
STATION	STATION NAME	YEARS	MONTA
		ALL WEATHER	1500-1700
		CLASS	HOURS (L S Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	*	MEAN WIND SPEED
N	2.2	3.7	. 4									5.5	4.0
NNE	1.7	2.5	• 1									4.3	4.1
NE	• 8	2.2	1									3.1	4.3
ENE	1.4	1.4	• 5							1	i	3.3	4.4
E	1.0	• 8	. 7	•2								2.7	5.3
ESE	- 4	1.1	• 5							1		1.9	5.1
SE	• 1	• 2	• 1				İ			1		• 5	4.5
SSE	• 5	• 5	• 2									1.2	4.7
5	. 5	1.1	• 2	• 1								1.9	4 . 8
SSW	. 4	1.6	. 7	• 5								3.1	6.9
sw	• 2	2.9	2.7	.6	• 1							6.6	7.3
wsw	1.4	3.8	6.9	4.2	• 1							16.5	8.4
w	1.0	5.0	7.8	4.5							i	18.3	8.3
WNW	1.1	2.5	1.3	.5								5.4	6.1
NW	• 6	1.3	• 8									2.7	5.0
NNW	1.1	1.4	•1									2.6	3.9
VARBL		• 7	12.2	3.8	. 4					i i		17.1	9.5
CALM	$\times$	$\geq <$	>>	$\searrow$	> <	>>	$\geq \leq$		$\geq \leq$		><	3 • 2	
	14.2	32.0	35.5	14.5	. 6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 837

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

RAMSTEIN AB DL STATION HAME 17.145 STATION 1830-2000 HOURS (L S T.) ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	2.4	1.6	. 4				i					4.3	3.0
NNE	2.9	1.2	• 6			İ	<u> </u>	T		·		4.7	3.0
NE	1.9	2.7	• 2	• 1								5.0	4.
ENE	1.2	2.5	• 1				Ī	I	Ĺ			3.8	4
E	1.2	1.6	1.2				i			!		3.9	5 • !
ESE	1.0	1.2	• 1				i	!				2.3	4 . :
SE	.2											• 2	1.5
SSE	. 6	• 2		• 1			1			Ī		1.0	4 . :
S	1.1	. 4	• 2	• 1				i				1.8	4 . !
SSW	1.4	. 7	.7	. 4								3.2	5 . 2
SW	. 8	2.7	2.6	• 5								6.7	6.1
wsw	3.3	5.0	6.5	1.6								16.4	6.
w	3.1	6.2	8.1	1.7	• 2							19.4	6.8
WNW	1.4	2.4	• 2	• 1					I			4 . 2	4 . !
NW	1.2	1.2										2.4	3.0
NNW	• 6	1.1										1.7	4.0
VARBL			4.2	1.1						İ		5.3	9.5
CALM		$\geq <$	><	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	13.9	
	24.4	30.7	25.2	5.6	2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI- JEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 .140	RAMSTEIN AB DL	73-81	JUL
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOVES (L S T )
	<del></del>	COMPLYAN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4									<del></del>		. 4	2.
NNE	1.6	• 2										1.0	2.
NE	. 7	• 2										1.0	3 • 0
ENE	1.4	• 2					Γ"					1.7	2.
E	1.9	• 6										2.5	2.1
ESE	• 5	• 1										. 6	3.8
SE	.1											•1	2.0
SSE	• 1	• 1										. 2	3.0
5	• 2	• 1							1			. 4	3.
ssw	.7	• 5		•1								1.6	4.0
sw	1.2	1.9			•1				<del>                                     </del>	ļ		4.8	6.
wsw	3.0	3.7										10.3	5.0
w	4.4	5.6			· · · · ·	· ·			1			12.4	4 . 4
WNW	1.7	. 7		.1					·	<u> </u>		2.6	3.
NW	.4	. 4										.7	3.
NNW	• 2	• 1	•1						<del></del>			•5	5.1
VARBL			.7	•1				<del>                                     </del>	<del></del>			.8	8.
CALM	$\sim$	> <			> <			> <	> <		>	57.7	
	18.5	14.6	7.4	1.7	1						<del></del>	120.0	

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 -:140	RAMSTEIN AB DL	73-81	JUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONTRACTOR OF THE CONTRACTOR O	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.2	• 9	• 2				!					2.2	3.
NNE	1.3	1.0	- 1								·	2.4	3.
NE	- 8	1.4	• 1	• 0								2.4	4.
ENE	1.2	1.3	• 2	• 0								2.6	4.
ε	1.3	1.2	• 5	• 0			1					3.0	4.
ESE	• 5	• 5	. 1									1.2	4.
SE	• 2	• 1	• 0									• 3	3.
SSE	• 2	• 1	• 1	• 0								• 5	4.
5	. 4	• 3	. 2	• 0								1.0	4.
ssw	• 6	. 7	. 7	. 4								2.4	6.
SW	. 7	2.0	2.3	. 6	• 0							5.8	7.
wsw	2.4	4.2	5 • 3	1.9	•0			!				13.8	6.
w	3.3	5.2	5.0	1.6	•0							15.1	6.
WNW	1.5	1.3	. 4	• 1								3.4	4.
NW	• 5	. 5	. 1									1.1	4.
NNW	.6	• 6	• 1									1.3	3.
VARBL		• 2	5.4	1.6	•1							7.2	9.
CALM		$\times$	><	$\geq <$	$\geq$	> <	$\supset <$	><	><	><	> <	34.3	
	16.6	21.6	20.9		.2							100.0	

TOTAL NUMBER OF OBSERVATIONS 6694

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

M 44 00-5 (OL-A) THEOLOGY EDITIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC

## SURFACE WINDS

AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5140	RAMSTEIN AB OL	73-81	AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		CLA96	HOURS (L S T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 4	• 2										• 6	3.6
NNE	• 2	• 1										. 4	2.
NE	• 6	• 1	• 1								1	• 8	2.6
ENE	•5	. 8	. 4									1.7	4.4
ŧ	1.6	. 4	• 1								1	2.3	2.6
ESE	. 4	• 1										• 5	2 . 1
SE	• 1						i			1		• 1	2.0
SSE			•1									• 1	8.
5	• 2	• 1					[					. 4	3.
SSW	• 1		•2									.4	7.5
SW	. 8	1.0	. 4	.2		1	1					2.4	5.
WSW	2.2	2.3	1.0	.1				<u> </u>				5.5	4.7
w	3.5	1.6		•2								5.4	3.5
WNW	1.0	•1	• 1		ļ ———			<u> </u>	i			1.2	3.
NW	• 1										1	.1	3.0
NNW	•1	• 1				†			†			.2	3.6
VARBL	1		. 4		1				1	1		. 4	8.
CALM	$\times$	$\geq \leq$		$\geq \leq$	$\geq$	$\boxtimes$	$\geq$	$\geq$	$\geq$	>	$\geq$	77.9	
	11.7	6.9	2.9	. 6								100.0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (142	RAMSTEIN AB DL	73-81	AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0300-0500
		CLASS .	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N										1			
NNE	• 5					İ				i			2.
NE	. 7		• 2					I		1		1.0	3.
ENE	1.0	• 7	• 1				]					1.3	3.
E	2.2	• 6										2.7	2.
ESE	• 2	• 1										. 4	2.
SE	• 2	• 1					1					. 4	3.
SSE	. 1											• 1	2.
\$	. 1							i		1 !		• 1	2.
ssw	• 1	• 2	• 1									. 5	5.
sw	. 7	1.1	•2	. 5								2.5	5.
wsw	1.6	2.6	1.0									5.1	4.
W	2.9	1.3		• 2								5.1	_ 4.
WNW	. 7	• 6							T			1.3	3.
NW			• 1			1			1			• 1	10.
NNW	. 4	• 2				<b> </b>		1	T			•6	3,
VARBL			•1	•1				<u> </u>				• 2	11.
CALM	$\searrow$	> <	$\searrow$	> <	>>		$\times$		$\supset <$		$>\!\!<$	77.5	
	11.4	7.6	2.6	. 8								100.0	

TOTAL NUMBER OF OBSERVATIONS 837

GLORAL CLIMATOLOGY BRANCH USAFETAC ALE WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND

# SURFACE WINDS

# DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17:140	RAMSTEIN AB DL	73-81	AUG
STATION	STATION NAME	TEADS	MONTH
		ALL WEATHER	363 <b>3</b> -26 <b>0</b> 0
	<del></del>	CLASS	HOURS (L S.T.)
		CONDITION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	.6	- 2										. 8	3.1
NNE	• 5								<u> </u>	<u> </u>		5	2.3
NE	1.1	. 4										1.4	2.3
ENE	1.6	1.4	. 5									3.5	3 . 8
E	4.1	1.0	• 1									5 • 1	2.7
ESE	1.1	_•1								i		1.2	2.1
SE	• 1									<u> </u>		• 1	1.0
SSE													
5	• 1												1.0
SSW	.7	• 5										1.2	3.1
sw	1.0	1.0	1.6	. 4								3.8	6.2
wsw	1.9	2.5	2.3	• 2								6.9	5.9
w	3.0	3 • D		. 6								8.2	5.1
WNW	1.0											1.0	1.8
NW	• 2	. 4										.6	3.4
NNW	.1							i				. 1	1.5
VARBL			•6	• 1						1		.7	8 . 5
CALM	$\supset \subset$	> <	$\times$	> <	$\times$	><				$\supset <$	> <	64.6	
	17.Q	1G.4	6.7	1.3								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAMSTEIN AB DL	73-81		AUG
STATION	STATION NAME		TEARS	MONTH
		ALL WEATHER	· · · · · · · · · · · · · · · · · · ·	0900-1100
		CLASS		HOURS (L S T.)
		COMPLTIGM		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 7	1.1										1.8	3.5
NNE	3.3	1.6								i .		4.9	2.0
NE	2.0	2.7	. 5							1		5.3	4 . :
ENE	4 - 2	4.5	1.1	• 5						1		10.3	4.0
E [	1.6	3.1	1.8	.6	• 1			1	!			7.2	6.
ESE	1.0	• 2	• 1						1			1.3	3.
SE	• 2	• 1								1		. 4!	2.
SSE	• 5	. 1						i	i	!		• 6	2.
S	• 5	. 7	• 1						1	·		1.3	4.
ssw	.8	. 4	. 5						<del></del>			1.7	4.
sw	1.0	2.2	2.3	.6			<del></del>	<u> </u>	<del> </del>	ļ		6.0	6.
wsw	2.6	3.9	4.5						T	1		12.9	6.
w	4.4	2.7	2.9	1.2					•			11.2	5.
WNW	1.3	. 8	. 4						!	<del>!</del> †		2.5	4.
NW	.5	. 4	• 2									1.1	4.
NNW	. 7	. 6	• 1							<del> </del> -		1.4	3.
VARBL			6.5	1.8	•1					<del></del>		8.4	9.
CALM	$\searrow$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	><	21.9	
	25.3	25.2	20.9	6.5	. 2							100.0	4.

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH UNNESTAC AI FEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 14 -	RAMSTEIN AB DL	73-81	AUG		
STATION	STATION NAME	YEARS	MTHOM		
		ALL WEATHER	1230-14		
		CLASS .	HOURS (L.S.T.)		
		COMBITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.8	1.2	• 1									3.1	3.3
NNE	2.7	2.3						(	Ī			5.0	3.4
NE	2.0	3.1	• 5	• 1					: !			5.7	4.5
ENE	1.7	3.C	1.7	• 1			1					6.5	5.2
E	1.4	2.6	. 7	1.1			i					5.9	6.2
ESE	• 7	. 7	. 4	• 2	_				-	·		2.0	5.9
SE	•6	• 5	• 2				<del>;</del>					1.3	3.8
SSE	• 5	• 2	. 4							1		1.1	4.7
S	. 5	. 6					!					1.1;	3.8
SSW	1.1	1.8	1.1	. 1		<del></del>			-			4.1	5.1
SW	1.1	3.1	2.0	1.3	•1				<u> </u>			7.5	7,0
wsw	2.0	3.7	5.0	1.6	•1				1			12.4	7.2
w	4.3	4.7	3.6	1.9								14.5	6.0
WNW	1.7	2.3	• 6	•1					<del> </del>			4.7	4.4
NW	.7	.7	•1							i		1.6	3. F
NNW	1.1	1.0	<del></del>									2.0	3. )
VARBL		. 2	10.9	4.8			<u> </u>		<del> </del>			15.9	9.7
CALM		$\geq \langle$	>		> <	> <	$\geq <$				><	5.6	
	23.9	31.7	27.2	11.4	. 2							106.0	5.9

TOTAL NUMBER OF OBSERVATIONS

GE. BAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 147 RAMSTEIN AB DL STATION HAME 73-81 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	2.5	2.5	,1									5.1	3.
NNE	2.4	2.5	. 4						·			5.3	3.
NE	2.0	2.6	• 2	• 2								5.1	4.
ENE	1.2	3.3	1.3	• 1		i						6.3	5.
E	1.8	2.2	1.8	. 7								6.5	6.
ESF	1.1	• 8	• 2							·		2.2	3.5
SE	• 2	• 5	• 1									. 8	4.0
SSE	. 1	• 6					1					• 7	3.
5	1.0	• 7	• 1			1						1.8	3.
ssw	1.4	1.9	• 2									3.6	4.
sw	1.4	4.2	2.9	.7	• 1							9.3	6.
wsw	2.2	4.3	3.3	2.0	. 4					·		12.2	7.
w	2.9	3.9	5.1	2.4	•1					· ·		14.5	6.5
WNW	1.3	1.4	. 5	. 1						· — · · · · •		3.3	4.
NW	1.4	1.0	• 1	i						· · •		2.5	3.4
NNW	. 8	1.7										2.5	4.
VARBL	.1	• 2	9.6	2.7			i					12.7	9.
CALM		$\geq <$	$\times$	$\geq \leq$	$\geq <$	> <	$\geq$	> <	$\times$		$\geq <$	6.0	<del></del>
	23.9	34.4	26.0	9.1	6							100.0	5

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM (0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH

USAFETAC AIP MEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1145	RAMSTEIN AB DL	73-81	AUG
STATION	STATION NAME	YEARS	HTHOM
		ALL WEATHER	1900-2000
		CLASS	HOURS (L.ST.)
		CONDITION	-

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	. •	MEAN WIND SPEED
N	1.2	. 7										1.9	2.9
NNE	2.9	1.4	• 2									4 - 5	3.2
NE	2.8	2.3	• 1				I	İ				5.1	3.3
ENE	3.0	3.3	• 6									6.9	3.9
E	2.9	2.4	1.2	. 4					Ţ			6.8	4.5
ESE	1.3	. 4	• 2					]				1.9	3.3
SE	. 7	. 1	• 1									1.0	3.4
SSE	. 4	• 1	. 1					!		!		•6	3.8
s	1.3	. 4							1	1		1.7	2.6
ssw	2.6	. 5	.6									3.7	3.5
sw	1.8	1.3	1.1	• 2		1			1	1	•	4.4	5.2
wsw	3.3	3.2	2.8	. 5							•	9.8	5.5
w	2.9	4.3	3.6	• 2					i		•	11.0	5.6
WNW	1.7	1.0	. 4				1					3.0	3.6
NW	1.0											1.0	2.1
NNW	1.7	• 2	• 1				<u> </u>	<u> </u>	1	† <del></del>	:	1.3	2.5
VARBL			1.4	.6		<del>                                     </del>	1			1		2.0	9.9
CALM	><	$\geq <$	$\geq \leq$	$\geq$	>		$\geq \leq$	$\geq$	$\geq$	><	$\geq \leq$	33.3	
	30.6	21.7	12.6	1.9								130.0	3.0

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 140	RAMSTEIN AB DL	73-81	AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2190-2300 ROURS (L B T )
		CLASS	HOURS (L B.T )
		CONDITION	<del></del>

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	. ≥56	•	MEAN WIND SPEED
N	• 6											6	, le
NNE	. 4								<u> </u>			. 4	1.
NE	• 8	• 5							Ī			1.3	2.
ENE	2 • 2	- 6	• 2				Ī					3.0	2.
E	1.3	• 1					Ī		İ			1.4	2.
ESE	• 2											• 2	1.
SE	- 1	• 1					1			1		• 2	3.
SSE	• 2	• 1										. 4	3.
5	• 2	• 2							I			. 5	3.1
SSW	. 8		• 1			I						1.0	3.1
sw	1.0	• 8	• 6	•1				1				2.5	5.
wsw	2.4	1.7	• 5					i				4.5	3.1
w	3.7	1.1	. 4	.2					1			5.4	3.
WNW	1.0	. 6								1		1.6	2.
NW	.4	. 1										• 5	3,
NNW	• 1										:	• 1	3.
VARBL			. 4	•1						1	<u> </u>	• 5	9,
CALM	$\supset \subset$	$\ge <$	><	$\geq <$	$\times$	$\geq$	$\geq \leq$		$\geq <$			76.0	
	15.4	6.0	2.2	. 5								100.0	

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0143 STATION	RAMSTEIN AB DL	73-81	YEARS	A U G
	·	ALL WEATHER	<del></del>	HOURS (LS.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55 ≥ 56	• .	MEAN WIND SPEED
N	1.5	• 7	• 2								1.7	3.
NNE	1.6	1.3	• 1								2.7	3.
NE	1.5	1.5	• 2	• 0							3.2	3.
ENE	1.9	2.2	• 7	• 1					İ		4.9	4
E	2.1	1.5	. 7	. 3	• 0						4.7	4 . 8
ESE	. 7	• 3	• 1	•0							1.2	3.
SE	. 3	• 2	• 1								• 5	3.5
SSE	• 2	• 1	• 1				ļ				. 4	3.1
S	• 5	. 3	• 0				<u> </u>		<u> </u>		. 9	3.3
ssw	1.7	. 7	. 4	• 1)			<u> </u>	·	<u> </u>		2.0	4.
sw	1.1	1.8	1.4	. 5	• 0			i 			4.8	6.2
wsw	2.3	3.0	2.5	. 8	. 1		<u></u>	<b></b>	ļ		8.7	6.1
w	3.4	2.5	2.3	. 9	.0		<u> </u>		L		9.4	5.6
WNW	1.2	. 9	• 2	.0			<u> </u>	<u> </u>			2.3	3.6
NW	• 5	• 3	• 1							<u> </u>	. 9	3.5
NNW	• 5	• 5	• 0					<u> </u>		<u> </u>	1.0	3.5
VARBL	• 0	• 1	3.7	1.3	.0		<u> </u>				5.1	9.1
CALM	><	><	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><>	45.3	
	19.9	18.0	12.6	4.0	.1					ĺ	100-3	2.

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 0145	RAMSTEIN AB DL	73-81	SEP
STATION	STATION NAME	YEARS	монти
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.E T.)
		COMBITION	<del></del>

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	- 48 - 55 -	≥ 56	•	MEAN WIND SPEED
N	1.7	- 1				<u>+</u>						1.1	1.9
NNE	. 4	• 2	i									6	2.8
NE	- 4	· · · · · · · · · · · · · · · · · · ·						1			!	. 4	2.
ENE	1.2	• 2				İ	Ī		]		i	1.5	2 .
Ε	1.2	• 2										1.5	2.
ESE	. 41	• 5										• 9	3 • 4
SE		• 1										• 1	4.1
SSE							i						
5	• 2	• 1						!		<del></del>		. 4	3.
SSW	. 4	. 7	• 2									1.4	4.
sw	. 4	2.1	1.2	• 6				!				4.3	6.
wsw	2.5	4.1	2.1	1.5								10.1	6.
w	1.9	1.9		• 5					!			6.0	5.
WNW	• 5											. 5	2.
NW	• 2										·	• 2	2.
NNW	• 1		- 1						1			• 2	5.0
VARBL			.7	• 6	. 4		1	1		1		1.7	12.
CALM		><	$\geq$	$\geq <$	$\geq$	$\geq$	$\geq$	>	$\geq$	$\geq$	$\geq <$	69.0	
	10.7	10.4	6.3	3.2	. 4							100.0	1.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10c140	RAMSTEIN AB DL	73-81	SEP
STATION	STATION NAME	YEARS	HONYN
		ALL WEATHER	0300-0500
	<del> </del>	CLASS	HOURS (L S T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 · 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N													
NNE	• ?									i		2	2.5
NE	. 5	• 2				<u> </u>						. 7	3.3
ENE	1.0	• 1								I		1.1	2.2
E	1.9	• 6				1	i			<u> </u>		2.5	2.7
ESE	• 5							1			i .	• 5	1.8
SE	• 1					Ī	1			<u> </u>	i	• 1	1.0
SSE	!	Ī										II.	
s	• 1	• 1	. 4								i	•6	6.4
SSW	- 4	. 4	. 4	• 1							Ĭ.	1.2	5.8
sw	. 7	1.4	1.5	• 5			i		l			4.1	6.6
wsw	1.7	3.3	3.5	.7			İ				i	9.3	6.6
w	3.7	2.2	1.6	• 2				L				7.8	4.4
WNW	1.0	• 2										1.2	2.0
NW	• 2	• 2							i	!		. 5	3.0
NNW	• 1						I					• 1	1.0
VARBL			1.1	.7						I		1.9	9.9
CALM		><	><	><	><	$\supset <$	$\geq \leq$	$\geq <$	$\geq <$	$\geq <$		68.1	
	12.2	8.9	8.4	2.3								130.0	1.7

TOTAL NUMBER OF OBSERVATIONS 809

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JU 64 U-8-3 (UL-A) PREVIOUS EDITIONS OF THIS FORM ARE

GLOBAL CLIMATOLOGY BRANCH

**a** 

USAFETAC A: WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10:140	RAMSTEIN AB DL	73-81		SEP
STATION	STATION NAME	•	YEARS	MONTH
		ALL WEATHER		3600-0800
		CLASS		HOURS (L S T.)
		CONSITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	• 1	•1									4	4.7
NNE	. 4	. 1				1			<u> </u>		•	• 5	2.3
NE	. 9	. 2										1.1	2.7
ENE	1.7	. 6										2.3	2.9
E	2.2	1.0					Ī					3 • 2	3.0
ESE	• 5	• 2										. 7	3.0
SE							1		!				
SSE	,												
\$	• 2											2.	1.5
SSW	.7	. 7	. 4									1.9	4.5
sw	.4	1.6	1.5	. 9			<del></del>					4.3	7.6
WSW	1.9	2.7	4.9		• 1							11.2	7.3
w	2.3	2.6			• 1							6.7	5.1
WNW	.9	. 6									!	1.5	3.3
NW	• 1					1						_•1	
NNW	• 1											• 1	1.0
VARBL			1.5	1.0	• 1							2.6	10.6
CALM		$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\geq$	><	$\geq$		63.1	
	12.5	10.6	10.0	3.5								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH USAFETAC AIS HEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10/140	RAMSTEIN AB DL	73-81		SEP
STATION	STATION NAME		YEA BS	MONTH
		ALL WEATHER		3930-1100
		CLASS		HOURS (L.S.T.)
		COMBITION		

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	. 4										1.1	3.0
NNE	1.2	1.9					i •————		<u> </u>			3.1	3.8
NE	2.0	1.4	• 1				1					3.5	3.5
ENE	2.5	3.2	. 4									6.0	4.0
E	3.7	2.6	.7				i					7.0	3.7
ESE	. 9	. 4	• 1	• 1								1.5	3,9
SE	• 1	• 1										•2	4.0
SSE	• 5	. 1	• 1									. 7	3.2
S	. 4	. 7	• 1									1.2	4.7
SSW	.1	• 5	. 9	• 1				1				1.6	7.3
SW	1.0	2.3	2.6	1.9								7.8	7.9
wsw	2.2	3.8	5.9	3.5	. 4							15.8	8.1
w	4.6	4.0	5.1	. 9					Ī			14.4	5,6
WNW	1.5	• 6	. 6				I					2.7	4.3
NW	• 1	• 1										• 2	3.0
NNW		• 1	• 1									•2	6.0
VARBL		. 4	6.3	2.0	•1							8.8	9.6
CALM		> <	> <	><	> <	$\supset <$	$\geq$	><	><	><	$\geq \leq$	24.0	
	21.5	22.6	23.1	8.4	. 5							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106140	RAMSTEIN AB DL	73-81	. SEP
STATION	STATION HAME	YEARS	MORTH
		ALL WEATHER	1230-1490
		CLASS	HOURS (L E T.)
	<del></del>	AMALONA .	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	. 9	1.2	• 1									2.2	4.1
HHE	1.9	. 9				l 		·	1			2.7	3.
NE	• 9	2.1	. 4									3 . 3	4.
ENE	2.8	3.1	1.0									6.9	4.
E	1.4	1.9	1.1	2						1		4.5	5.
ESE	. 7	• 5	• 6	• 2								2.1	6.
SE	• 2			. 1					Ĺ			. 4	5.
SSE	• 5	• 1	. 4				i 	i 				1.0	4.
S	1.1	1.0	• 1					<u> </u>				2.2	3.
SSW	1.0	2.1	1.4	.1			! 	l	i *	<u>i</u>		4.6	5.
sw	1.1	3.1	3.3	2.6	• 2		1					10.4	8.
wsw	2.2	3.8	5.4	4.4	. 5	.1						16.6	8.
w	2.5	4.7	7.4	1.5					•			16.1	7.
WNW	1.1	1.6	. 4	• 2						I		3.3	4.1
NW	• 2	1.0							Ĺ			1.2	4.
NNW	. 6	• 6								I		1.2	3.
VARBL	L. I	. 4	11.1	4.3	. 1							15.9	9.
CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			5.2	
	19.2	28.1	32.8	13.8	9	1			Į į			100.0	6.

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATO WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 (147)	RAMSTEIN AB DL	73-81 YEARS	SEP wonth
		ALL WEATHER	1500-1700 HOURS (L.S.T.)
		CONDITION	_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	1.2	• 6										1.9	2.
NNE	1.5	2.0	• 2									3.7	3.
NE	1.6	2.1	• 2				<u> </u>					4.0	
ENE	1.9	3.2	1.2				i					6.3	4.
E	2.0	3.5	_,7									6.2	4.5
ESE	• 6	• 9	. 4	• 2						1		2.1	
SE	• 9	• 6	• 2									1.7	4.1
SSE	• 7	• 2										1.0	2.0
S	1.1	1.0	• 1									2.2	3.4
<b>\$</b> S <b>W</b>	1.5	1.2	1.2	• 2								4.2	5.1
sw	1.4	3.1	2.5	1.5								8.4	7.0
WSW	3.5	4.1	7.5	3.0	• 6							18.7	7.0
w	3.1	4.7	7.7	2.2	2							17.9	7,
WNW	1.2	1.0	1.2									3.5	5.
NW	•6	. 4	. 4									1.4	4.4
NNW	• 5	• 6										1.1	3.
VARBL		. 1	7.3	2.7								10.1	9.
CALM	><	><	><	><	><	$\ge$	><		$\geq <$		><	5.7	
	23.2	29.3	31.0	9.9	9							100.0	<b>6</b> a (

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAMSTEIN AB DL	73-81	SEP
STATION	STATION NAME	YI	IARS MONTH
		ALL WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)
		CONDITION	······································

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.)	. 4					i					1.4	2.
NNE	. 7	. 4							1			1.1	2.0
NE	3.1	. 9										4.3	2.
ENE	3.3	1.0	• 1							1		4.4	2.0
E	3.7	1.2	• 2							1		5.2	3.0
ESE	1.1	• 2	. 1									1.5	2.9
SE	• 2	• 1								1		. 4	3.1
SSE	• 2	. 1										. 4	2.
5	1.5	. 7	• 1							:		2.3	
SSW	1.6	1.5	• 5	• 2								3.8	4.
sw	2.3	2.1	2.7	• 2								7.4	5.
wsw	2.6	3.1	3.5	. 9				Ī				10.0	5.6
w	3.1	3.2	3.2	. 6					<u> </u>			10.1	5.
WNW	2.3	1.0	. 4			1				1		3.7	3.
NW	.7	• 1										. 9	2.6
NNW	. 4								1			. 4	1.7
VARBL			1.9	. 6	.1			i	<u> </u>			2.6	9.6
CALM	$\supset \subset$	> <	><	><		$\supset \subset$	$\supset <$		$\supset \subset$	$\supset <$	> <	43.5	
	28.0	16.0	12.7	2.6	.1							100.2	2.

TOTAL NUMBER OF OBSERVATIONS

810

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106140	RAMSTEIN AB DL	73-81		SEP		
STATION	STATION NAME		YEARS	MONTH		
		ALL WEATHER		2160-2300		
	<del></del>	CLASS		HOURS (L.S.T.)		
		COMBITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 4											.4	2,0
NNE	. 7	. 1						i 				. 9	2.9
NE	1.1											1.1	2.0
ENE	1.2	• 5					i					1.7	2.9
E	1.6	• 1										1.7	2.4
ESE	. 7						1					.7	1.5
SE	• 5	• 1										•6	2.4
SSE	• 2											. 2	2.0
S	.4	• 5	•1									1.0	3.6
SSW	. 4	1.2	• 1	• 1								1.9	4.9
SW	•6	1.9	1.4	1.0	• 2							5.1	7.8
wsw	1.9	2.3	3.3	. 9								2 4	6.4
w	3.2	1.7	1.4	.9								7.2	5.2
WNW	1.2	• 1	• 2			· · · · · ·						1.6	3.2
NW	• 1											• 1	2.0
NNW		• 1										.1	4.0
VARBL	t		1.0	. 7							<del>-</del>	1.7	10.7
CALM		><			$>\!\!<$	> <	$\geq$	$\geq$	> <		$\geq$	55.6	
	14.3	8 . 8	7.5	3.6	• 2							100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

106140	RAMSTEIN AB DL STATION NAME	73-81 YEARS	SED MONTH
		ALL WEATHER CLASS	ALL NOVES (LET.)
		сомоттоя	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 7	. 4	• 0				:					1.2.	3.
NNE	- 9	• 7	• 0					1			•	1.6	3.
NE	1.3	. 9	• 1									2.3	3.
ENE	2.0	1.5	• 3									3.8	3.
£	2.2	1.4	. 4	• 0								4.0	3.
ESE	. 7	• 3	• 2	• 1								1.3	4.
SE	• 3	• 1	• 0	• 0					1			. 4	3.
SSE	• 3	• 1	• 1						1			4	3.
5	• 6	• 5	• 1									1.3	3.
SSW	- 8	1.0	.6	• 1					1			2.6	5.
sw	1.0	2.2	2.1	1.1	• 1					<u> </u>		6.5	7.
wsw	2.3	3.4	4.5	2.1	• 2	•0				L		12.5	7.
w	3.0	3.1	3.7	. 8	• 0					l		10.8	6.
WNW	1.2	• 6	. 4	• D								2.3	
NW	. 3	• 2	. 3							I		•6	3.
WNN	• 2	• 2	.0									. 4	3.
YARDL		• 1	3.9	1.6	• 1							5.7	9,
CALM	>	> <	><	><	><	> <	$\geq \leq$				$\geq \leq$	42.6	
	17.7	16.8	16.5	5.9	. 4	• D						100.0	3.

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC ALL MEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 147	RAMSTEIN AB DL	73-81	OCT
STATION	STATION NAME	YEARS	MONYH
		ALL WEATHER	
		CLASS	HOURS (L S T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• ?											• 3	2,
NNE	. 4	. 4							1			. 7	3.
NE	1 - 1	• 7										1.5	2.
ENE	2.2	1.8	• 6									4.5	4.
ε	1.8	• 8	• 5	• 1			,	i				3.2	4.
ESE	. 7	• 4							1			1.1	3.
SE	- 4							!	1			. 4	2.
SSE	• 1											_ • 1	3.
5	. 4	• 2					i	!				• 6	3.
S5W	. 8	. 7	• 2	• 5			Ī	i	i			2.3	6.
sw	• 2	• 7	1.4	. 6								3.0	8.
wsw	1.3	3.5	4.1	1.1	• 2							10.2	7.
w	4 - 1	3.0	3.1	• 6	• 1						•	10.9	5.
WNW	1.4	. 4										1.8	2.
NW	• 5											• 5	1.
NNW	• 2	• 1										. 4	3.
VARBL		• 1	1.4	. 8								2.4	9.
CALM	><	$\geq <$	$\geq <$	><	$\geq \leq$	$\geq$			$\geq \leq$	$\geq$		56.0	
	15.8	12.8	11.4	3.7	. 4							120.0	2.

TOTAL NUMBER OF OBSERVATIONS 836

SECRAL CLIMATOLOGY BRANCH USAFETAC

ALS MEATHER SERVICE/MAC

# SURFACE WINDS

#### , PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5140	RAMSTEIN AB DL	73-81	0.1
STATION	STATION NAME	YEAS	MONTH
		ALL WEATHER	0330-050
		CLASS	HOURS (L S T )

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	• 2				1						. 4	4.3
NNE	1.0	. 1				İ						1.1	2.3
NE	. 7	. 7						!				1.4	3.1
ENE	2.7	1.8	• 5			]		İ				5.1	3.5
E	3.5	. 7	• 1			İ						4.3	2 • 8
ESE	• 2	• 1										• 4	4.7
SE	• 6											• 6	2.0
SSE	• 1	• 1	• 1				i					• 4	5.7
S	ī	• 1	• 1					1	:			• 2	6.5
\$\$₩	• 5	. 4	. 4	• 1		<u> </u>				· · · · · · · ·		1.3	5.8
sw	1.5	. 7	1.3	1.1								4.1	7.7
wsw	1.6	3 . 3	4.3	1.4					I			10.5	7.3
w	3.8	3 • 2	2.0	1.2						·		10.3	5.6
WNW	1.0	• 1							: :			1.1	2.4
NW	.6	i			i							- 6	1.8
NNW	• 2	j			į				:			• 2	2.7
VARBL			1.8	. 6	• 1			1				2.5	10.1
CALM		><	$\times$	X	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	><	$\geq <$	55.6	
	17.6	11.7	10.6	4.4								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

GEORAL CLIMATOLOGY BRANCH USAFETAC

### SURFACE WINDS

AIR WEATHER SERVICE/MAC

WNW

NW

VARBL

CALM

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14 2 24 MSTEIN AB DL 73-81 OCT

RTATION STATION NAME ALL WEATHER J623-7830

CLASS HOUSE (LST.)

MEAN WIND SFEED SPEED (KNTS) DIR. 11 - 16 | 17 - 21 3 - 3 . 41  $\frac{1 \cdot 1}{2 \cdot 7}$ . 8 NE ENE 3.5 ESE 1.3 SSE . 4 • 21 SSW . 4 . 6 1.1 1.2 1.1 SW 1.7 1.2 2.5 4.2 W5W 3.9 2.4 2.6 10.2

TOTAL NUMBER OF OBSERVATIONS 837

1.8

3.3

51.6

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 149	RAMSTEIN AB DL	73-81	ост
STATION	STATION HAME	YEARS	MORTH
		ALL WEATHER	3900-1130
	<del></del>	CLASS	HOURS (L S T.)
	·	CONDITION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥ 56		MEAN WIND SPEED
N	• 6	• 2	•									, 3	3.
NNE	2.0		. 1						L			2.2	1.
NE	2.6	1.8										4.4	3.
ENE	3.0	3.2	1.2				ŀ		ĺ			7.4	4.
E	3.0	3.3	. 8				İ					7.2	4.
ESE	1.3	. 4	• 1									1.8	2.
SE	• 2		i				i					• 2	2.
SSE	• 5		i								•	• 5	2.
5	. 4	• 6	• 1					1		•		1.1	4.
ssw	. 6	1.2	1.0	• 2						1	•	3.0	6.
SW	. 8	1.9	1.1		• 1			!			•	4.8	7.
wsw	1.9	2.9	4.3	1.9	. 2							11.2	7.
w	4.4	5.1	3.9	1.4	. 4	. 4			,		•	15.7	6.
WNW	1.9	• 6	. 4		• 1							3.0	4 .
NW	. 4	. 6								 	:	1.0	3,
NNW	• 5	• 1						-			<del></del>	• 6	2.
VARBL			4.8	2.0	. 5					·	-	7.3	10.
CALM		><		> <	$\supset $	> <	$\supset <$	> <	$\supset <$	> <		28.0	
	24.1	22.0	17.8	6.5	1.3	. 4						120.0	4.

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH UCAFETAC Al- WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.0	1.3										3.0.	2.6
NNE	1.6	1.3										2.9	3.3
NE	2.5	3. ^	• 1									5.6	3.7
ENE	3.9	2.2	1.7									7 . 8	4.2
E	2.3	2.2	2.3	• 5								7.2	6.3
ESE	• 5	• 5	. 1					<u> </u>				1.1	3.9
SE	. 1	• 2										. 4	4.3
322	• 2							:	i 				2.5
S	.7	. 8	.1					1	•—			1.7	4.7
SSW	1.3	1.6	- 8	- 1				·		<del></del>		3.8	5.1
sw	1.2	2.0	2.9	1.7	• 1				!	·	·	7.9	7.7
wsw	1.1	3.0	3.8	3.3	• 2	.1			· 	<del> </del>		11.6	8.5
w	3 • 3	5.5	5.0	2.5	. 6	• 1				<u>.</u>		17.1	7.3
WNW	1.7	2.0	. 1							: •		3.8	3.7
NW	. 8	. 7	• 2					<u> </u>				1.8	3,9
NNW	. 7	• 2	.1							•	·	1.1	3.2
VARBL		. 1	5.3	2.5	1.1	.1				i	·	9.1	10.8
CALM	$\geq <$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	><		14.1	
	24.0	26.3	22.6	10.6	2.0	. 4		I				130.0	5.5

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH MEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14" RAMSTEIN AB DL STATION NAME

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	1.4	• 5										1.9	2.
NNE	2.5	1.2				i 		·	i			3.7	2.
NE	3 • 2	4 . 3	• 2									7.8	3.
ENE	2.2	3.7		. 1				<u> </u>				7.0	4.
E	1.2	4 . 1	1.7									6.9	5 • 3
ESE	. 4	• 1							1			• •	3 . 8
SE	• 5	• 2	i									. 7	3.0
SSE	. 6	. 8						·				1.6	3.8
5	.6	. 8	• 1					:				1.6	3.6
SSW	1.3	1.7	• 6	_								3.6	4.6
SW	1.7	2.5	3.5	1.7	. 4	İ						9.7	7.
wsw	3.6	3.3	6.0									15.1	7.0
w	3.1	3.5	3.5	3.1	•1	.1						13.4	7.
WNW	1.1	1.0	• 1					I				2 • 2	3.0
NW	. 8	- 4	• 1						1			1.3	3.
NNW	. 8											. 8	2.1
VARBL			5.1	. 8								6.0	9.0
CALM		><	$\geq <$	$\geq <$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			16.2	
	25.0	28.1	22.2	7.6	_ • 7	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SLEBAL CLIMATOLOGY BRANCH DEAFETAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

# SURFACE WINDS

AT WEATHER SERVICE/MAC (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 21	• 2										• 5	3.
NNE	• 8	• 1										1.	2.
NE	2.9	1.0					·		·	· ———	·	3•*	2.
ENE	3.9	1.8				ļ			L			6.1	3.
E	3.0	1.7	• 6			ļ	<u> </u>		<u>!</u>			5 • 3	3.
ESE	1.7	• 2				<u> </u>			·			1.9	2.
SE	• 2					ļ		1				<u>• 2.</u>	1.
SSE	• 1					ļ	 	<u>:</u> _	<u> </u>	·		_ •1.	. 2.
_ s	1.7	. 4				<u> </u>	<u> </u>		<b></b>			1.3	2.
_SSW	• 7	1.4	. 5	. 4			<u> </u>	•		·		پ5 و در	5.
sw	1.1	2.4		• 5		<u> </u>	<u> </u>	<del></del>			·	5.3	5.
wsw	1.3	4.3		1.0		<u> </u>	<b></b>			<b></b>		10.6	6.
w	3.2	3.6	2.3	. 8		<u> </u>		<b></b>	•	ļ		9.9	5.
WNW	1.4	• 1				<del>!</del>		<del> </del>		·		1.6	2.
NW	• 6					<u> </u>	L	ļ	<u> </u>	l +	•	• 6	1.
NNW	• 2				Í	<u> </u>	L	ļ		: •		2	2.
VARBL	L		1.0	. 5	L	.1			·	ļ	*. · ———	1.6	10.
CALM	><	><	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	><	><	><	><	47.1	
	22.5	17.2	10.0	3.1		.1						120.2	_ 2.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 14°	RAMSTEIN AB DL	73-81 YEARS	OCT MONTH
		ALL WEATHER	2105-2300 ROURE (LET.)
		Chaption	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	*	MEAN WIND SPEED
N	• 5	• 1										• 6	2.4
NNE	. 4	• 1										_ • 5	2.0
NE	1.6	. 8						İ				2.4	3.1
ENE	2.4	2.2	• 2									4.8	3.6
E	1.2	1.2	• 5									2.9	4.
ESE	. 8	1						Ī				. 8	2.
SE	• 1									i		• 1	2.0
SSE	. 4											. 4	2.
5	• 1	. 4										• 5	4.
SSW	• 1	. 8	• 5					•				1.4	6.
sw	.6	1.1	2.0	• 5	• 2				Ţ			4.4	7.6
wsw	1.4	3.5		. 5	• 2							9.3	6.1
w	4.4	3.1	3.0	.6		1	1					11.1	5.
WNW	2.3	. 5						1				2.7	2.5
NW	• 2						i		!			• 2	1.9
NNW												1	
VARBL	1		1.0	. 4					1	1		1.3	9.5
CALM		><	><	> <	$\times$	$\times$	$\geq$				$\geq$	56.5	
	16.5	13.7	10.9	1,9	• 5							100.0	

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 14"	RAMSTEIN AB DL	73-81		OCT
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		HOURS (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 7	• 3										1.0	2.
NNE	1.2	. 4										1.6	2.
NE	2.1	1.6	• 0					<u> </u>	<u> </u>			3.3	3.
ENE	2.7	2.3	. 8	• 0								5.8	4.
E	2.4	2.0	. 8	• 1								5.3	4.
ESE	. 9	. 2	• 0					<u> </u>				1.2	2.
SE	• 3	• 1										. 4	2.
SSE	. 3	• 1	• 0						İ			. 4	3.
5	.4	. 4	• 1							<u> </u>		. 9	3.
SSW	. 7	1.0	. 6	• 2					<u> </u>			2.5	5.
SW	1.0	1.6	1.8	1.0	.1				L			5.5	7.
wsw	1.7	3.3	4.3	1.6	• 2	•0						11.0	7,
w	3.8	3.7	3.2	1.4	. 1	1		<u> </u>				12.3	6.
WNW	1.5	• 6	• 1		.0							2 . 2	3.
NW	.6	• 2	. 0									. 8	2.
MMM	- 4	• 1	• 0									. 4	2.
VARBL		• )	2.8	1.1	• 2	.0						4.2	10.
CALM	><	><	$\geq \leq$	$\times$	$\times$	$\geq <$	$\times$			$\geq$	$\geq \leq$	40.6	
	20.6	18.0	14.6	5.3	.7	.1						100.0	3.

TOTAL NUMBER OF OBSERVATIONS

6695

GLOBAL CLIMATOLOGY BRANCH USAFETAC All HEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

# SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

T 14 RAMSTEIN AB CL 73-81 NOV MONTH

STATION STATION NAME

ALL WEATHER 3700-0200 NOUND (LET.)

SPEED (KNTS) DIR,	. 1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	• 1										. ق	2.8
NNE	• 5	. 6										1.1	3.7
NE_	• 7	. 9	. 1									1.7	3.9
ENE	3 • 1	. 7	• 5									4 . 3	3.1
E	1.4	. 7							Ĭ .			2.1	3.2
ESE	- 1	• 1										• 2:	4.5
SE	. 4)	• 1										• 5	2.8
SSE	. 4											. 4	1.
\$	• 1	• 1	• 1									. 4	5.0
ssw	• 2	1.1	. 7	. 4								2.5	7.0
SW	• 5	2.0	2.6	1.9	. 4	• 2			Ī			7.5	9.
wsw	2.5	4.6	5.9	4.0	1.2	• 1				1		18.3	8.6
w	2.6	4.9	4.0	2.6			• 2			Ĭ		14.3	7.
WNW	1.5	. 1							· · · · · · · · · · · · · · · · · · ·	!		1.6	2.
NW	.6	. 4			l				!			1.3	2.9
NNW	• 2											• 2	2.
VARBL			2.8	1.7	. 7	. 4	•1					5.8	12.
CALM	$\geq <$	$\geq \leq$	$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\geq$	$\geq \leq$	><	37.5	
	15.2	16.5	16.8	10.5	2.3	. 7	. 4					100.0	4.

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH USAFETAC AL- JEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10:140	RAMSTEIN AB DL	73-81	NOV
STATION	STATION N.ME	TRARS	MONTH
		ALL WEATHER	6309-0500
		CLASS	HOURS (L S T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	• 6	• 1						<u> </u>	<del></del>			• 7	2.7
NNE	• 6	• 6										1.2	3.4
NE	• 6	• 2	• 2						1			1 • 1	3.9
ENE	1.9	• 0	.7	. 4				[				3.8	4.7
E	1.9	• 6	• 2									2.7	3.3
ESE	. 4	• 1										• 5	2.5
SĒ	• 1											• 1	2.0
SSE		• 1						1	Ī			• 1	5.0
S		_• 5	• 1	. 1						1		.7	7.3
SSW	. 4	1.0	• 6	.7					i			2.7	7.8
sw	1.4	2.1	2.5	. 5	. 4	• 2						7.0	7.8
wsw	2.3	4.8	4.8	3.6	. 9	• 1						16.5	8.5
w	4.0	5.4	3.6	3.0	.6	•1	. 1					16.8	7.4
WNW	1.6	• 1										1.7	2.1
NW	• 4	• 2										• 6	3.4
WNN													
VARBL			2.7	1.4	. 5							4.6	11.3
CALM	><	$\times$	><	><	$>\!\!<$	><	><			><		38.9	
	16.0	16.9	15.6	9.6	2.3	.5	.1					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI? WEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10.140 RAMSTEIN AB DL 73-81 NOV

STATION STATION NAME ALL WEATHER 3630-0800

CLASS HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 9											. 9	1.4
NNE	. 7	. 5							i			1.2	3.3
NE	1.4	1.3	• 5							•		2 • 8	4.
ENE	1.1	1.4	. 9	• 1								3.5	5 . 2
E	1.4		. 6									2.0	3.9
ESE	• 5	• l										• 6	2.6
SE	• 2		• 1							,		. 4	4.0
SSE	. 4	. 2										- 6	3.6
5	• 2	• 6	• 1	- 1				-	Ī .			1.1	5 . 0
\$\$W	.6	. 5	1.1	1.0	. 1							3.3	8.
SW	• 5	2.2	3.1	1.1	• 1	• 2		1	]			7 • 3	8.2
wsw	1.6	5.7	7.7	2.5	1.2			I				18-6	8.
w	4.1	4.2	3.1	2.2	• 2	. 5		i				14.3	7.1
WNW	. 7	. 9	• 1	• 1								1.9	4 . 4
NW	• 2	. 1							1		1	• 4	2.:
WMM	- 4	• 1										• 5	2.5
VARBL			2.8	1.5	. 4							4.7	11.
CALM	><	><	><	><	><	><	> <			><		35.9	
	14.9	17.5	20.1	8.6	2.1	• 7						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_81

GLOBAL CLIMATOLOGY BRANCH LSAFETAC

#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13-140 RAMSTEIN AB DL 73-91 NOV

#FATION STATION NAME ALL MEATHER L970-1100

CLASS HOUSE (L87.)

MEAN WIND SPEED SPEED (KNTS) DIR. 1 - 3 11 - 16 22 - 27 41 - 47 48 - 55 2.4 1.2 2.6 1.7 NNE • 6 2.3 1.0 1.1 NE 2.1 ENE 1.7 2.0 1.2 5.1 5.0 • 1 3.5 2.0 2.6 1.6 E • 6 ESE . 9 . 9 • 2 • 2 2.° SE . 2 • 2 SSE . 5 • 7 • 2 •1 1.2 4.4 . 9 1.1 4.9 7.1 1.1 1.9 1.2 4.6 1.2 • 1 13.2 8.0 SW 8.9 2.1 5.3 3.3 1.4 8.4 .6 21.1 WSW 2.7 4.9 4.1 2.0 . 1 14.1 7.1 . 2 . 9 WNW . 2 1.4 . 1 3.5 NW . 1 • 2 .4 1.7 NNW . 4 7.9 VARBL 4.8 23.6 CALM

TOTAL NUMBER OF OBSERVATIONS

SLUBAL CLIMATOLOGY BRANCH USAFETAC

ALE WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-140	PAMSTEIN AB DL	73-81	NOV
STATION	STATION NAME	TEADS	NOMTH
		ALL WEATHER	1200-1400 HOURS (LS Y)
		CLASS	HOURS (LST)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.5	• 5										2.3	3,
NNE	3.6	1.5	• 1	i								5.2	3
NE	1.1	1.7	• 2					1				3.1	4
ENE	1.2	1.9	• 7	. 4								4.2	5
E ,	1.0	1.1	• 9				!		1			3.3	4
ESE	• 2	• 2	• 1									• £	4
SE	• 5	• 1	• 2						1			. 9	4
SSE	• 6	• 1								1		. 7	. 2
5	• 5	. 7	• 5									1.7	4
ssw	. 7	1.4	2.2	1.7								6.3	9
sw	1.0	3.8	4.0	2.2	. 1							11.1	9
wsw	1.0	4.1	9.1	4.6	1.2	• 1	. 1					20.2	Ş
w	1.2	4.2	6.4	3.5	.7	• 1		<u></u>	•			16.2	8
WNW	• 9	1.1	. 4					i		Ĭ		2 • 3	3
NW	• 1	. 4										• 5	4
NNW	• 1	• 9	• 1									1.1	4
VARBL			6.3	2.8	.6							9.8	10
CALM	><	><	><	><	$\geq \leq$	$\geq$		><	><			11.4	
	15.3	23.7	31.4	15.2	2.7	• 2	.1				İ	100.3	6

TOTAL NUMBER OF OBSERVATIONS

SECRAL CLIMATOLOGY BRANCH PRESTAC ATH REATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10 140	PAMSTEIN AB DL	73-81	NGV
STATION	STATION N.ME	YEARS	MONTH
		ALL WEATHER	1500-1700
		CLASS	HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	2.1	• 5										2.6	2.9
NNE	1.5	• 6	• 1									<u>2.6</u> 2.2	3.0
NE	2.7	2.8	• 1					<u> </u>				5 • 7	3.5
ENE	2.1	2.0	• 7	• 2								5.1	4.7
E	1.0	1.0	1.5									3.5	5.5
ESE	• 6	• 1	• 1									• 9	3.6
SE	• 1							!	i			• 1	1.7
SSE	• 1	• 2										. 4	3.7
S	• 6	. 4	. 7									1.7	5.9
SSW	1.2	1.5	. 7	1.0								4 . 4	6.7
SW	1.6	4.2	4.3	1.6	• 1				1			11.5	7.2
wsw	1.7	6.5	8.0	3.5	• 5	•1			•	•		20.4	8.3
w	2.5	4.7	4.0	3.6	. 9							15.6	7.9
WNW	. 7	1.2	. 4						1			2.3:	4.7
NW	• 6	• 1	1							1	·	• 7	2,7
NNW	• 1	• 1							T	•		• 2	4.5
VARBL	• 1	• 1	4.6	2.0	. 6	•1		!	1			7.5	10.5
CALM			$\geq <$	><	> <	>	> <			><		14.8	
	19.5	26.2	25.3	11.9	2.1	• 2						100.0	5.9

SHOTAL NUMBER OF OBSERVATIONS

GLEBAL CLIMATOLOGY BRANCH USAFETAC A:- "EATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. 140	FAMSTEIN AB DL	73-61	NOV
SYATION		YEARS	MONTH

18:0-2003

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	۹,	MEAN WIND SPEED
N	1.2	. 4										1.0	2.4
NNE	1.7	• 6										1.5.	2.9
NE	1 • 4	. 9	• 1					<u> </u>				2 • 3	3.3
ENE	2.6	. 7	• 5	. 4								4.2	4.4
E	1.0	1.2										2.2	3.7
ESE	. 7	• 1										. 9	2.6
SE	. 4	• 2							•			• 6	3.7
SSE	• ?	• 1										. 4.	3 • 3
s	• 9	. 4	• 2			i			·			1.5	3.5
SSW	.6	. 7	• 5	• 5	• 2							2,00	7.9
sw	1.1	2.5	3.0	1.6	. 1	• 2						8.5	5.2
wsw	3 • 1	5.4	7.3	3.7	. 9	- 1					_	20.5	8.0
W	2 • 8	4 . 7	2.6	1.1	. 2							11.5	6.1
WNW	1.5	• 5	. 1	• 1			ĺ					2.2.	3.3
NW	• 1	• 1	. 1					j				. 4	6.3
NNW	• 2	• 5									_	• 7	4.0
VARBL		. 4	3.7	1.9	• 5	. 4		1				6.6	11.2
CALM		$\geq $	$\geq <$	$\geq <$	$\geq \leq$		$\geq \leq$				$\geq$ $\overline{\ }$	31.5	
	18.9	19.	18.1	9.3	2.0	. 7			!		· _ · •	173.3	4.7

TOTAL NUMBER OF OBSERVATIONS 810

SECRAL CLIMATOLOGY BRANCH USAFETAC

AT AEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOV 2110-2300 HOURE (LET) ALL WEATHER CLASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 4	• 6						:				1.5	3.5
NNE	. 3	• 5	1									1.4	2.0
NE	1.9	• 9						<u> </u>				2.7	2.7
ENE	2.3	1 . 4	• 2						<u> </u>	•		4.2	3.0
E	1.4	1.0	• 5	• 1					ļ			3 • 7	4.4
ESE	• 1	• 1						i		•		• 2.	2.5
SE	• 5 <sub>1</sub>	• 1						<u> </u>			<u> </u>		2.6
SSE	• 1	. 2					i	i 		·		4.	4.5
5	. 4	• 1	• 1	. 1				<b></b>				• <u>.7</u>	5.3
ssw	. 2	. 9	1.3	.6	. 2					! 		. <u>2.</u> 9.	9.3
sw	. 4	1.6	3.1	1.2	. 4	. 4						7.31	9.3
wsw	2 • 2	4.9	6.4	3.3	1.0					·		17.5	8.1
W	3.3	3 . 8	4.8	1.6	. 9	• 1		<u> </u>		· 		14.6	7.1
WNW	1.5	. 9	• 1					<u> </u>				2.5	3.2
NW	• 2		• 1					<u> </u>					3
NNW		• 7										. 2	4.5
VARBL	• 1	• 1	3.1	2.3	. 2	. 4				1		5.3	11.4
CALM		><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq <$		73.9	
_	15.9	17.4	19.5	9.6	2.7	9		<u> </u>	<u> </u>		İ	<u>. 100.01</u>	4.3

TOTAL NUMBER OF OBSERVATIONS

609

GL(BAL CLIMATOLOGY BRANCH JSAFETAC A': WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 147	RAMSTEIN AB DL	73-81	YEARS	NOV
		ALL WEATHER		HOURS (L B Y )
		COMDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.0	. 3										1.3	2.7
NNE	1.3	. 7	• 0	1								2.7	3.0
NE	1.3	1.2	• 2					· · · · · · · · · · · · · · · · · · ·	<u> </u>			2 • 7	3.6
ENE	2.0	1.4	. 7	2								4.3	4.5
E	1.3	• 8	• 5	• 0								2.6	4.1
ESE	. 4	- 1	• 1									• 5	2.9
SE	<b>.</b> 3	• 1:	• 0									. 4	3.1
SSE	. 3	• 2							1			. 4	3.1
5	. 4	. 4	• 3	• 1								1.1	5.0
\$\$W	. 6	1.0	1 - 1	• 8	. 1							3.7	7.7
sw	1.0	2.6	3.4	1.4	• 2	. 2			!		<b>"</b>	3.8	8 . 1
wsw	2.1	5.2	7.2	3.5	1.0	•2	• C					19.2	8.5
w	2.9	4.6	4.1	2.4	• 5	•1	.0		•	••		14.7	7.4
WNW	1.2	• 6	• 2	•0								2.0	3.5
NW	. 3	• 2	• 0						!			• 5	3.3
NNW	.2	• 2	• 0						1			. 4	3.7
VARBL	.0	• 1	3.9	2.0	• 5	• 2	•0					6.7	11.2
CALM		$\geq \leq$	$\geq \leq$	$\geq <$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	28.4	
	16.7	19.7	21.6	10.6	2.3	• 7	.1					120.0	5.7

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6479

GLUSAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 4	PAMSTEIN AB DL	73-81	DEC
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.S.T.)
		CONDITION	

CALM		> <	><	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$			35.8	
VARBL	ļi		1.3	1.2	. 7		<u> </u>		†			3.2	12.
NNW		• 1							<del> </del>	-	<del></del>	•1	5.
NW	•5	. 1						<del>                                     </del>	•————— 	1		• 6	2.
WNW	.7	• 2	• 5								•	1.4	4.
w	2.3	4.1	3.9	3.2	. 5				•		•	14.0	7.
wsw	2.2	3.1	7.7	4 . 8		.4		<del> </del>	<del></del>			18.3	8 .
5W	.7	1.8		2.3		• 2			!			7.5	9.
ssw	.2	1.1	1.1	.7	. 4				:			3.5	9.
5		• 2			_• 2		<del></del>	!	i			• 7	11
SSE	<del>,</del>	. 1	•1						1		•	• 2	6
SE	• 5	<u></u>						<u> </u>	1		***	• 5	2
ESE	• 7								1		***	. 8	
E	1.6							<del> </del>	1		·	4.2	4
ENE	1.2	2.5	+						ļ			5.7	5
NE	1.7	• 7	.1					<u> </u>	<del></del>			2.8	3
NNE	• ÷ :- • :-	. 4				L		<del> </del>	<del>,                                      </del>		· <del>-</del>	. 3	3
N	. 4	• 1	<del></del>					<del></del>				• 5	2
SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	<b>&gt;</b> .	MEAN WING SPEED

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

ATH MEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 147	RAMSTEIN AB DL	73-81	DEC
STATION		LL WEATHER	3330-0500 HOURS (LST)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 5	. 4	.1									1.1.	3.
NNE	. 2	• 5				! i <b></b>						• 7	3.
NE	. 7	1.1	• 1			ļ						1.9	4.
ENE	1.6	2 . 8	1.6	• 2		i	·	ì				6.1	5.
E	2 • 3	1.3	• 2					Ī				4.3	3.
ESE	. 6	. 4				!		·	<u> </u>			1.0	3.
Sŧ	. 4	• 1				i		<u> </u>	<u> </u>	;		• 5	3,
SSE	• 2						•			·		<u>• 2</u>	2,
S 1	• 2	• 5						ļ		·		. ق. ي	3.
55W_	• 5	5		• 6	• 2				<u> </u>	<u> </u>		2.6	9.
SW	• 5	1.9	3.0	1.6	. 4	<u> </u>		<u> </u>		ļ		7.5	9,
wsw	2.3	4.1	6.1	3.9	8	• 5			! 	L		17.7	8,
w	1.8	3.6	5.9	3.1	. 4	-1	L			ļ. <u>.</u>		14.8	8,
WNW	1.0	1.0	• 1				L		<u> </u>	<u> </u>		2.0	3.
NW	• 2	. 4								<u></u>		. 6	3.
NNW	• 2	• 5								·			4.
VARBL			2.5	1.4	1.3	•2		<u> </u>		·		5.5	13.
CALM	><	$\geq <$	><	><	><	><					><(	32.2	
	13.3	19.0	20.5	10.9	3.1	1.1						120.2	5.

TOTAL NUMBER OF OBSERVATIONS

GL/RAL CLIMATOLOGY BRANCH STAFETAC AI WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOTAL BANSTEIN ABOL 73-81

STATION STATION HAME

ALL WEATHER

CONDITION

CONDITION

DEC

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SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.1		• 1									1.2	2,8
NNE	• 5	• 2					· -		<u> </u>				2.5
NE	1 - 1	1.7	• 5						<u> </u>	<u> </u>		2.5	4.1
ENE	2.7	3.9	. 8									7.5	4.2
E	1.3	2.6	• 2							ì		4.7	3.9
ESE	• 2	• 2							<u> </u>			• 5	3.5
SE	- 2						· · · ·	<u> </u>	İ		: 	• 2 -	2.0
SSE	• 1	• 1										• 21	3.5
S		• 1	. 4	- 1								•61	
55W	• 1	. 8	1.1	• 7	• 1					1	!	2.9	9.1
SW	.6	2.3	3.1	1.4	7	•1	• 1	İ	L	1		٤.4	9.4
wsw	. 8	4 • 1	7.5	3.8	1.0	• 1						17.3	9.2
w	2.7	3.7	3.8	3.3	, 7	• 2						14.6	8.1
WNW	• 7	. 4	• 1									1.2	3.6
NW	. 4	• 2							Ī	Ì		• 6	3.4
иим	. 4	• 2	• 1									. 7	4.2
VARBL			1.9	2.3	1.3	.2				L		5.7	13.9
CALM	><	><	><	><	><	><			$\geq \leq$			30.5	
	13.5	20.0	19.7	11.7	3.8	7	1					מסמבו	5.4

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

Terion	RAMSTEIN AB DL STATION HAME	73-81 YEARS	DEC					
	ALL W	ALL WEATHER						
	COM	DITION						

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		- 2	·			1		!				1 1	
NNE		• 5	. 1									1 . 1	- 3.
NE	1.4	1.6	. 2					1	i			3_2	
ENE	1.7	3.1	1.7	. 1		1			į			<del></del>	
E	2.3	1.9	1.6	. 2					1			5.0	
ESE	. 7	• 1											2.
SE	• 1	2	-1					1	!	•		. <u> </u>	
SSE	. 2						1			*		7	
S	. 4		6			1		1	1			1.0	
SSW	• 2	. 6	. 7	- 6	- 1				1	1		2 1	
sw	1.4	2.4	3.0	2.6			- 5						
wsw	2.4	5.6		5.3	1.2				1				
w	2.3	3.6	:	3.0	2	1	-			T		22.3	7.
WNW	- 1	2	-							!			7
NW	4		]						i				- <del></del>
NNW	2	• 1			!					·			<del>2</del> ,
VARBL		- 1	3.0	2.6	. 6				1	1	*		
CALM	><	$\geq <$		$\geq $			> <	$\geq$	$\geq$		><	23.9	110
	15-2	20.3	22.2	14.5	2.7		,			1		100.0	

TOTAL NUMBER OF OBSERVATIONS

837

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5147 RAMSTEIN AB DL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 8	• 2											3.1
NNE	5.	5	• 1				·		!			1.1.	3.9
NE	1,4	1.6	. 2									3.2.	3.
ENE	1.7	3.1	1.7	1				<del> </del>	<u> </u>	•		6.6.	5.
E	2.3	1.9	1.6	• 2					1			6.0	4.
ESE	. 7	• 1							<u> </u>				_ 2.
SE	- 1	• 2	- 1					1					5.
SSE	• 2								<u> </u>				l.
S	. 4		. 6					1				1.0	6.
SSW	• 2	• 6	7	. 6	. 1					L		2.3	8.
SW	1.4	2.4	3.0	2.6	. 6		. 5		l			13.5	9.
wsw	2.4	5.6	7.0	5.3	1.2	. 4	1					22.0	9.
w	2.3	3.6	4.2	3.0		•1			I			13.4	7.
WNW	. 1	• 2										4	
NW	.4											. 4	2.
NNW	• 2	• 1										4	3.
VARBL		• 1	3.0	2.6	. 6	.1				1		6.5	11.
CALM		$\geq \leq$	><	><	$\geq$		><		$\geq <$	><	><	23.9	
	15.2	20.3	22.2	14.5	2.7	- 6						100-0	

TOTAL NUMBER OF OBSERVATIONS

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5140 STATION	RAMSTEIN AB DL STATION HAME	73-81 YEARS	DEC
		ALL WEATHER	1200-1400 HOVES (L S T )
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	5	1.7	- 1				1					1.6	3.0
NNE	1.1	6					,	·	-			. 1.7.	3.1
NE	1.9	1.7	1						ļ	<b>.</b>		3.7.	3.4
ENE	1.7	4.1	2.2	• 1			:	<u> </u>			•	8.J.	5,4
E	1.4	1.4	2.0	. 7			<u> </u>				·	5.6	6.4
ESE !		2					!					2.	4 . 5
SE	. 5			1				<u> </u>	<u> </u>		•	6.	3.6
SSE	• 1						i +			·			
5	. 5	. 6	5	. 4		L			<b></b>			1.9	6.5
ssw	. 2	8	6	1_3	1			!	<u> </u>	!		3.1	9.8
sw	1.2	1.8	3.6	2.7	1		1	<del> </del>	<del> </del>	1	<u> </u>	9.6	8.6
wsw	1.2	3.3	8.6	6.6	1.6	2	1	<u> </u>	·	<u> </u>	·	21.6	10.2
w	2.2	4.3	4.9	4.3	. 4		<b></b>	ļ	<del> </del>	<b></b>	<u> </u>	16.0	8.3
WNW	. 7	. 2						·	<u> </u>	<u> </u>	<u> </u>	1.0	3_0
NW	. 2	. 2				<b></b>		<u> </u>	<b>.</b>	1		5	
NNW	. 6	. 2									i		3.3
VARBL			4.4	2.0	1.2				<u> </u>	1	<b>.</b>	انه و	12.
CALM	$\geq <$	$>\!\!<\!\!<$	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	16.0	
	14.0	20.5	27.0	18.3	3.3	. 6	.2					100-0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	RAMSTEIN AB DL STATION NAME	73-81 YEARS	DEC MONTH
		ALL WEATHER	1500-1700 MOVES (( 5 Y.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55 ≥ 56		MEAN WIND SPEED
N		- 6									1.4	3.
NNE .	1.6		1								2.3	
NE	2.2	2.0	. 4					1			4.5	
ENE	3.0	4.8	2.0								9.8	4.
E	1.2	2.5	1.0								4.7	4
ESE	. 5	• 2							:		7	. 3
SE												
SSE	ļi											
S	. 4	. 2		. 6							1.3	8
SSW	1.4	1.4	6	1.3	1				i		4.9.	7
sw	1.4	2.3	3.3	2.2	. 6						9.9	A
wsw	1.4	5.6	6.6	5.7.	. 6	2					20.2	. 9
w	2.3	2.5	4.9	2.5	1.0	1				Ī	13.3	A
WNW	1.3		1	1							1.6	3
NW	. 4	. 6	i	1							1.0	3
NNW	• 2	.1	-1								5	
VARBL			2.5	1.9	6		1				5.5	12
CALM		$\geq < 1$	><	$\geq <$	><	><				$\geq \leq \geq$	18.5	
	18.0	23.5	21.7	18.3	2.9	•	•				100.0	

TOTAL NUMBER OF OBSERVATIONS

SLOBAL CLIMATOLOGY BRANCH USIFETAC AIT HEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 614D	RAMSTEIN AB DL STATION NAME		DEC MONTH
		ALL WEATHER	1800-2000 HOURS (LS.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	5	. 1					1	i L				. 6	2.2
NNE	1.0	. 8		i				!				1.8	3.4
NE	1.6	1.6	• 2					<u> </u>				3.3	3.7
ENE	3.0	2.5	1.3									6.8	4.3
E	2.2	2.2	. 6								ı	4.9	3.9
ESE	• 5	• 1		. 1								• 7	3.8
SE	- 1	• 1										• 2	3.0
SSE	. 1			.1				!					7.5
S	• 1	• 1	• 1	• 2	•1							• 7	11.2
55W	.7	• 7	1.1	1.2							1	3.7	8 . 5
sw	1.1	1.4	2.2				,					6.3	7.9
wsw	1.7	3.3	7.6	4.8	1.1	.1						18.6	9.1
w	3.0	3.1	2.9	2.9	. 8				!			12.7	7.9
WNW	. 6	. 2	.2						1			1.1	3.7
NW	.2	- 1										4	3.0
NNW		_ 2						<u> </u>	1			-2	4.5
VARBL	.1	• 1	3.7	2.3		2						6.7	11.0
CALM	$\geq <$	$\geq $	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq <$	$\geq <$	30.9	
	16.4	16.8	20.0	13.3	2.3	4						100.2	5

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION RAMSTEIN AB DL 73-81

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 55 ≥56	•	MEAN WIND SPEED
N	• 5											1.
NNE	. 4	• 6						!			1.0	3.
NE	. 8	1.0	• 2					Ì	<u> </u>		2.0	4.0
ENE	1.2	3 . 1	1.0	• 1					1		. 5 • 4	5.
E	2.5	1.4	. 7								4.7	3.
ESE	. 7	• 5	• 1					i	<u> </u>		1.3	3.
SE	. 1	• 1					!	ì			2	
SSE	• 2							•	<u> </u>		2	. 2.
5	• 2	- 1	• 2	. 5	9	.1	· ·	1		· · · · · · · · · · · · · · · · · · ·	1.6	12.
ssw	1	1.7	. 8		• 2		·			<u> </u>	2.2	8.
sw	1.1	1.6	1.8	1.8	. 4			<u> </u>		·	6.6	8.
wsw	1.2	4.7	7.0	5.5	1.0				1		19.4	. 9.
w	1.8	2.7	3.2	3.0	5				·		11.2	6.
WNW	1.0	. 6	1	. 1							. 1.8	3.
NW		• 2										4.
NNW	. 2	• 2	1					1			6	40
VARBL			2.6	2,2	. 7						5.5	12.
CALM	><	$\geq \leq$	><	><	$>\!\!<$		$\geq \leq$	$\geq \leq$	$\geq \leq$		35.7	
	12.1	17.8	18.0	13.1	3.1	.1					100.0	5.

TOTAL NUMBER OF OBSERVATIONS

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5146	RAMSTEIN AB DL	73-81	DEC
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L S T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	.6	• 3	• 0				`	:				1.0	3.
NNE	. 7	• 5	•0				!					1.3	3.
NE	1.4	1.3						ī				3.0	3.
ENE	2.0	3.3	1.5	• 1			:	1		•	•	6.9	4.
E	1.9	1.9	. 9	• 1						!		4.9	4.
ESE	• 5	• 2	• 0	•0				1				8.	3.
SE	• 2	• 1	•0	• 0				ĺ				• 3	3.
SSE	• 1	• 0	•0	. 0								• 2	
5	• 2	• 2	• 3	• 2	• 1	• 3				•		1.0	8.
\$\$W	. 4	• 9	. 9	. 8	• 2					1		3.1	8.
SW	1.0	1.9	2.7	2.0	. 4	•1	• 1					8.3	9.
wsw	1.6	4.2	7.3	5.0	. 9	•2	•0		-			19.4	9.
w	2.3	3.5	4.2	3.2	• 6	•1			1			13.7	8.
WNW	.8	. 4	• 1	•0					1			1.3	3.
NW	• 3	• 2										. 5	3.4
иим	• 2	• 2	•0	i							1	• 5	3.
VARBL	. 0	• 0	2.7	2.0	. 8	•2	•0		1		1	5.8	12.
CALM	><	$\times$	$\times$	><	$\times$	$\times$		>	><	$\sim$		27.9	
	14.5	19.3	21.1	13.5	3.0	• 6	•1					10.0	5.

TOTAL NUMBER OF OBSERVATIONS

6694

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP JEATHER SERVICE/MAC

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 6140	RAMSTEIN AB OL	73-81	ALL
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	ALL HOUSE (LST)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	•	MEAN WIND SPEED
N	.9	. 7	• 1	•0								1.7	3.5
NNE	1.3	1.0	• 1									2.3	3.4
NE	1.6	1.8	• 31	• 0								3.3	4.7
ENE	2.0	2.5	1.2	• 2	۵ •							5.8	4.9
E	1.8	1.4	.7	• 2	• 0							4 . 2	4.9
ESE	. 6	• 3	• 1	• 0	• 0				Ī			1.0	3.7
SE	. 2	• 1	• 0	• 0								<u>. 4</u>	3.2
SSE	• 2	• 1	• 1	• 0	• 0							. 4	3.9
s	. 4	. 4	• 2	• 0	• 0							1.1	4.7
ssw	. 7	. 9	. 7	. 3	• 0	. 0			Ţ			2.6	6.2
sw	. 9	1.9	2.3	1.2	• 2	.1	.0				·	5 • 5	8.)
wzw	1.8	3.5	4.9	2.7	. 4	.1	• 0					13.4	8.1
w	2.8	3.6	3.6	1.7	• 2	• 0	• 0			i .		12.0	6.9
WNW	1.0	. 7	• 3	• 1	• 0							2.1	4 . 1
NW	. 4	. 3	•1	.0	• 0	•0				!		. 7	3 . 8
NNW	- 4	• 3	• 0	•0							•	• 8	3.7
VARBL	• 1)	• 1	4.6	1.7	• 2	• 1	• 0			1		6.8	10.0
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq$			34.	
	17.1	19.7	19.1	8.2	1.2	• 2	•0				İ	100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

78862

GLEBAL CLIMATOLOGY BRANCH USAFETAC

## SURFACE WINDS

ATE WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 c 1 4 7 RAMSTEIN AB DL 73-81 ALL
STATION STATION NAME

INSTRUMENT
CLASS
HOUSE (L 5 7

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	. 6	• 3	• 0						-	<del></del>		1.0	2.9
NNE	1.1	• 6	• 0									1.7	3.1
NE	2.1	1.8	• 2									4.1	3.6
ENE	3 . 3	3.2	1.1	• 2	_ • 0				Ī			7.8	4.4
E	2.0	1.6	• 5	. 1						:		4.2	
ESE	• 5	• 2	٠,					1				• 7	2.7
SE	• 2	• 1	ں.	• 0								• 3	3.3
SSE	• 2	• 0	• 0	.0				1	<u> </u>			. 3	3.4
S	• 2	. 1		• D		•0				i		• 5	6.9
ssw	• 5	• 5		• 3	• 1							1.8	7.3
sw	. 9	2.0	2.7	1.2	• 1	.0		Ĭ				7.1	7.8
wsw	2.0	4.3		3.3	. 4	.11						16.6	8.1
w	3.1	3.5	3.2	1.1	• 1				İ			10.9	6.1
WNW	. 8	• 3	1.	•0						İ		1.2	3.3
NW	• 2	• 1										• 3	2.7
NNW	• 2	• 0	• 0								i	• 3	
VARBL	•0	• 0	1.6	. 8	• 2	•1						2.7	10.8
CALM	><	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq <$			$\geq \leq$			38.5	
	18.0	18.6	16.7	7.1	. 9	•2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 14011

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 5. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1449 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1940. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 5/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1960.

Continued on Reverse Tide

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							VI	SIBILITY (S	TATUTE MI	LES)						
(FEET-	≥ 10	€ 6	. ≥ 5	≥ 4	≥ 3	≥ 2 ½	≥ 2	= 1 1/2	≥ 1 1/4	<b>∠</b> 1	≥ %	<i>≟</i> 5/€	≥ 1/2	± 5/16	> 1/4	≥ 0
NO CEILING	<u> </u>		· 									<u>`</u>				ليسر
≥ 1800																$\sum_{i=1}^{n} a_i$
≥ 1500 ≥ 1200			•		<u> 91.0</u>			∔ 				∤ • · · ·	i			22.5
≥ 1000 ≥ 900		•	• -	··	i		<u>.</u>	!		· _	<u> </u>	!	i		!	! -
≥ 800 ≥ 700			· -			·		<u> </u>		<del>-</del>		• -	<u>.</u>	•	ļ	
≥ 600 ≥ 500			ļ	<u></u>	•		· ·	!		97.4		! -			!	93.1
≥ 400 ≥ 300					ļ			ļ		- · · ·		1		!		
≥ 200			ļ	ļ	ļ		! <del> </del> · ·					1	<u>.</u>			
≥ 100 ≥ 0		1	1		95.4		96.9	1	1	_98.3		·	<u> </u>	<u>!</u>		10C,C

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.4%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.3,

from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GERBAL CLIMATOLOGY BRANCH . AFETAC ATH REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 140 RAMSTEIN AB DL 73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

1458 16 141,15 W.S

2000-0200

5.6 12.2 13.5 13.9 16.4 16.5 18.0 19.8 20.5 21.7 21.7 21.8 22.4 22.6 22.8 23.4 9.5 13.1 14.8 15.2 17.9 18.0 20.0 22.0 22.8 24.0 24.0 24.2 24.8 25.0 25.2 25.8 9.5 13.1 14.8 15.2 17.9 18.0 20.0 22.0 22.8 24.0 24.0 24.2 24.8 25.0 25.2 25.8 ± 180€. 9.5 13.1 14.6 15.2 17.9 18.0 20.0 22.0 22.8 24.0 24.0 24.2 24.8 25.0 25.2 25.8 9.5 13.1 14.8 15.2 17.9 18.0 20.0 22.0 22.8 24.0 24.0 24.2 24.8 25.0 25.2 25.6 9.5 13.1 15.7 15.3 18.0 18.1 20.1 22.1 22.9 24.1 24.1 24.4 25.0 25.1 25.3 25.9 10.0 13.6 15.4 15.8 18.5 18.6 20.6 22.6 23.4 24.8 24.8 25.1 25.7 25.8 26.1 26.7 7.42 10.4 14.0 15.8 16.2 18.8 18.9 21.0 22.9 23.8 25.2 25.2 25.5 26.1 26.2 26.4 27.2 11.5 15.2 17.1 17.6 20.4 20.5 22.7 24.6 25.5 26.9 26.9 27.1 27.7 27.9 28.1 28.7 12.3 16.7 18.1 18.6 21.4 21.5 23.6 25.6 26.4 27.9 27.9 28.1 28.7 28.8 29.1 29.7 12.4 16.4 18.7 19.2 22.0 22.1 24.2 26.2 27.7 28.5 28.5 28.5 28.7 29.3 29.4 29.7 30.3 13.6 18.1 20.4 20.9 23.9 24.0 26.2 28.1 29.0 30.4 30.4 30.6 31.2 31.4 31.6 32.2 16.4 21.5 23.8 24.2 27.4 27.7 30.2 32.1 33.3 35.0 35.0 35.0 35.2 35.8 35.9 36.2 36.3 18.2 23.8 26.1 26.5 29.9 30.3 32.7 34.6 35.9 37.6 37.6 38.0 38.6 38.7 39.0 39.6 19.7 25.6 28.0 28.6 32.0 32.3 35.2 37.2 38.5 40.2 40.2 40.5 41.1 41.3 41.5 42.1 - 440)s 25.0 31.7 34.9 35.7 39.9 40.3 43.3 45.4 46.9 48.7 48.7 49.1 49.7 49.8 50.1 50.7 25.0 25.9 33.5 37.2 38.0 42.7 43.1 46.1 48.5 50.1 52.0 52.0 52.4 53.0 53.1 53.3 53.9 28.6 37.5 41.3 42.3 47.9 48.3 51.3 54.2 56.2 58.1 58.3 58.6 59.2 59.3 59.5 60.2 30.1 39.2 43.2 44.1 49.8 53.2 53.4 56.3 58.4 60.3 60.4 60.8 61.4 61.5 61.8 62.4 <del>- →</del> 40.7 53.3 59.6 63.1 75.3 75.8 80.8 87.6 90.2 96.4 96.6 97.0 97.9 98.3 98.9100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC . No. 0-14-5 (OL A) PREVIOUS ED TUNS OF THIS FORM ARE OBSOLETE

niga n<mark>ega na</mark>ruhiga a<del>sia</del> menga<mark>nangakan jaka</mark>a ing adab kepinganga saga

GLUBAL CLIMATOLOGY BRANCH USAFETAC A: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14" RAMSTEIN AB DL

-{:

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0300-0500

TOTAL NUMBER OF OBSERVATIONS 82

USAF ETAC ... 0-14-5 (OL A MEVIOUS FORMOS OF THIS FORM ARE OBSOLETE

GLOPAL CLIMATOLOGY BRANCH USAFETAC AI- AEATHER SERVICE/MAC

PAMSTEIN AB DL

1 6143

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

3600-0800

USBURY STATE F MILES 6.8 7.9 8.5 9.0 11.2 11.2 12.5 14.3 15.5 16.3 16.3 16.3 16.5 16.7 16.7 7.8 9.6 10.3 10.9 13.5 13.5 14.8 16.7 18.1 18.9 18.9 18.9 18.9 19.2 19.4 19.5 7.8 9.6 10.3 10.9 13.5 13.5 14.8 16.7 18.1 16.9 18.9 18.9 18.9 19.2 19.4 19.5 NE ELIVE 2 200 k ≥ 18000 = 1600k 7.8 9.6 10.3 10.9 13.5 13. 14.8 16.7 18.1 18.9 18.9 18.9 18.9 19.2 19.4 19.5 7.9 9.7 17.4 11.0 13.6 13.6 14.9 16.9 18.2 19.1 19.1 19.1 19.1 19.3 19.5 19.7 7.9 9.7 17.6 11.2 13.7 13.7 15.0 17.0 18.3 19.2 19.2 19.2 19.2 19.4 19.7 19.8 8.1 10.1 11.2 11.8 14.3 14.3 15.7 17.6 18.9 19.8 19.8 19.8 19.8 20.0 20.3 20.4 . ≥ 14000 8.3 10.3 11.4 12.1 14.7 14.7 16.0 18.0 19.3 20.1 20.1 20.1 20.1 20.4 20.6 20.8 8.4 10.6 11.6 12.6 15.3 15.3 16.8 18.7 20.1 21.0 21.0 21.0 21.0 21.0 21.2 21.5 21.6 14.0 17.5 18.9 19.9 22.7 22.7 24.2 26.7 28.2 29.4 29.4 29.4 29.5 29.7 30.1 30.2 16.0 19.9 21.4 22.3 25.5 25.5 27.5 30.3 31.9 33.1 33.1 33.1 33.3 33.5 33.9 34.0 18.8 23.3 25.0 26.2 30.0 30.1 32.5 35.6 37.3 38.5 38.5 38.5 38.6 38.8 39.2 39.3 20.5 26.5 29.3 29.6 33.5 33.6 36.3 39.4 41.1 42.4 42.4 42.4 42.5 42.7 43.1 43.2 3500 3600 2500 25.1 32.2 34.3 35.9 40.8 40.9 44.3 47.8 49.5 50.7 51.0 51.1 51.2 51.5 51.8 51.9 26.7 34.1 36.3 37.9 43.0 43.1 46.5 50.0 51.7 52.9 53.2 53.3 53.4 53.6 54.0 54.1 180C 26.7 34.1 36.8 37.9 43.1 43.1 46.5 50.0 51.7 52.9 53.2 53.3 53.4 53.6 54.0 54.1 33.6 42.2 44.8 46.8 53.4 53.8 57.5 61.3 63.0 64.2 64.4 64.6 64.7 64.9 65.3 65.4 36.7 46.8 50.2 53.4 60.7 61.0 64.9 68.8 70.6 72.0 72.2 72.3 72.5 72.7 73.1 73.2 37.9 48.9 53.3 56.8 65.8 66.1 70.5 74.8 76.7 78.0 78.3 78.4 78.5 78.8 79.1 79.2 38.1 49.3 54.6 59.0 68.7 69.1 73.9 78.3 80.2 81.6 81.8 81.9 82.0 82.3 82.6 82.8 38.5 50.5 56.3 60.8 71.4 71.7 76.8 81.4 83.4 84.7 85.0 85.1 85.2 85.4 85.8 85.9 38.8 51.0 56.9 61.8 73.9 73.8 80.5 88.5 87.0 88.1 88.2 88.5 88.8 89.0 38.8 51.0 56.9 61.8 73.8 73.8 80.5 88.5 88.6 89.0 \* 8UK 2 70c 2 600 38.8 51.0 56.9 61.8 73.4 73.8 80.5 86.5 88.6 90.3 90.7 90.8 90.9 91.1 91.5 91.6 38.8 51.0 56.9 61.8 73.8 74.2 81.1 87.7 89.9 92.1 92.5 92.6 92.7 93.0 93.3 93.4 ± 500 ± 400 38.8 51.0 56.9 61.8 73.8 74.2 81.3 89.1 91.3 93.8 94.2 94.4 94.5 94.8 95.1 95.3 38.8 51.0 56.9 61.8 73.9 74.3 81.4 89.3 91.5 95.5 96.0 96.4 96.6 97.0 97.3 97.5 38.8 51.0 56.9 61.8 73.9 74.3 81.4 89.3 91.5 95.8 96.2 96.7 97.1 97.8 98.3 99.4 38.8 51.0 56.9 61.8 73.9 74.3 81.4 89.3 91.5 95.8 96.2 96.8 97.2 97.9 98.5100.0 38.8 51.0 56.9 61.8 73.9 74.3 81.4 89.3 91.5 95.8 96.2 96.8 97.2 97.9 98.5 100.0

73-81

USAF ETAC .... 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AL- MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 : 14 RAMSTEIN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC ...... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

10/140

C

RAMSTEIN AB DL

\_ ব্যাসক্ষ ধ্যান্ত 73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

HIS/BILLTY STATUTE WILES

----

1200-1400

7.1 8.7 10.1 11.1 13.6 13.7 14.2 15.2 16.0 16.7 16.7 16.7 16.6 16.8 17.0 13.1 12.3 14.0 15.4 18.7 13.8 19.4 20.3 21.7 21.9 21.9 21.9 21.9 22.0 22.0 22.1 17.5 12.8 14.4 15.9 19.1 19.3 19.9 20.8 21.7 22.4 22.4 22.4 22.4 22.5 22.5 22.6 13.5 12.8 14.4 15.9 19.1 19.3 19.9 20.8 21.7 22.4 22.4 22.4 22.4 22.5 22.5 22.6 11.0 13.2 14.9 16.4 19.6 19.7 20.3 21.3 22.1 22.9 22.9 22.9 22.9 23.0 23.0 23.1 11.1 13.4 15.0 16.5 19.7 19.9 20.5 21.4 22.3 23.0 23.0 23.0 23.0 23.1 23.1 23.2 11.3 13.7 15.5 17.1 20.3 20.5 21.1 22.0 22.9 23.7 23.7 23.7 23.7 23.8 23.8 23.9 \* 400m > YOKH - 4500 17.2 21.3 23.6 25.5 30.1 30.2 31.2 32.5 33.5 34.5 34.5 34.7 34.7 34.8 34.8 34.9 19.1 23.5 25.9 28.0 32.6 32.7 33.8 35.4 36.3 37.5 37.5 37.7 37.7 37.8 37.8 37.9 22.7 27.7 37.8 33.6 38.9 39.0 40.2 41.8 42.8 44.4 44.4 44.5 44.5 44.6 44.6 44.8 25.3 31.2 34.5 37.4 43.2 43.4 44.9 46.5 47.5 49.2 49.2 49.3 49.3 49.5 49.5 49.6 3500 ≥ 2500 - 2000 28.0 35.1 38.7 42.6 49.2 49.6 51.1 52.8 53.9 55.7 55.7 55.8 55.8 56.0 56.0 56.1 29.4 37.3 41.2 45.0 51.9 52.2 53.8 55.5 56.6 58.4 58.4 58.5 58.5 58.6 58.6 58.7 28.Q 35.1 1800 35.1 44.5 49.2 53.2 61.1 61.9 63.9 65.7 66.8 68.8 68.8 69.3 69.3 69.4 69.4 69.6 37.2 48.0 52.9 57.3 66.5 67.6 69.8 71.8 73.2 75.5 75.5 75.9 75.9 76.1 76.1 76.2 38.1 49.2 55.1 59.6 70.5 72.2 75.7 77.9 79.4 81.7 81.7 82.2 82.2 82.3 82.3 82.4 50.1 56.3 60.9 73.0 75.3 78.8 81.0 82.6 85.0 85.1 85.6 85.6 85.7 85.7 85.8 > 150K 1000 38.4 50.1 56.3 60.9 73.0 75.3 78.8 81.0 82.6 85.0 85.1 85.6 85.6 85.7 85.7 85.8 38.6 50.5 56.9 61.9 75.6 77.9 82.1 84.4 86.0 88.4 88.6 89.0 89.0 89.2 89.2 89.3 38.7 50.8 57.4 62.5 77.3 80.0 84.7 87.2 88.9 92.1 92.2 92.8 92.8 92.9 92.9 93.0 38.7 50.8 57.4 62.6 78.0 80.7 86.2 88.9 90.7 94.8 94.9 95.5 95.5 95.7 95.7 95.8 39.9 51.0 57.6 62.8 78.3 81.2 86.8 89.9 91.7 96.3 96.6 97.2 97.2 97.5 97.5 97.6 38.9 51.0 57.6 62.8 78.3 81.2 86.8 90.3 92.3 97.0 97.5 98.2 98.2 98.4 98.4 98.6 38.9 51.0 57.6 62.8 78.3 81.2 86.8 90.4 92.4 97.1 97.6 98.3 98.3 98.7 99.2100.0 38.9 51.0 57.6 62.8 78.3 81.2 86.8 90.4 92.4 97.1 97.6 98.3 98.3 98.7 99.2100.0 38.9 51.0 57.6 62.8 78.3 81.2 86.8 90.4 92.4 97.1 97.6 98.3 98.3 98.7 99.2100.0 38.9 51.0 57.6 62.8 78.3 81.2 86.8 90.4 92.4 97.1 97.6 98.3 98.3 98.7 99.2100.0 80U 700 400 300

TOTAL NUMBER OF OBSERVATIONS\_

83

GLIPAL CLIMATOLOGY BRANCH SAFETAC ATH WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

CERTIFIC .							, ···B		TUTE MUE	`						
• FF1	5	≥ 6	> 4	<i>:</i> 4	21	22.	2.	٠	<u>≥</u> :,	2	2 -	• .		25 8		
NO TENDO	7.3	9.6	11.3	11.5	14.9	15.2	16.2	16.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
2.7966										22.0						
الرواح	10.4	13.6	15.4	16.0	20.0	20.4	21.5	22.0	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6
5 500	11.7	13.7	15.5	16.1	20.2	20.5	21.6	22.1	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 1400€	11.5	14.2	16.3	16.6	23.6	21.0	22.1	22.6	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2
* 2. WH.										23.5		:				- · · · · · · · · · · · · · · · · · · ·
<u> </u>			-							25.2						
≥ 200K										26.1						
9,800										28.6						
2 1000										29.4						
• 500c										29.5						
± 500€										31.9					31.9	
* 450°										34.2					34.2	
. 4000	19.7									37.5				37.5		37.5
≥ 350°C ≥ 300°C		,								39.9						
	26.8	34.8								51.7					51.9	
+ 2506 ± 2000	31.9	41.5								60.9	• •					
· · · · · · · · · · · · · · · · · · ·		44.8								64.7						
≥ 1900 ≥ 1500										74.3						
										79.8						
± 1200 ± 1000		- 1								87.Q						
·										90.2						
: 41% : 804	41.2									92.6						
700										94.2						
2 800			64.3							96.8						
	41.2	56.3	64.3	68.9						97.2						
400	41.2	56.3	64.3	68.9	84.8	86.7	90.9	92.7	93.4	98.2	98.3	98.9	99.0	99.2	99.2	99.2
300	41.2	56.3	64.3	68.9	84.8					98.2						
≥ 200	41.2	56.3	64.3	68.9	84.8	86.7	90.9	92.7	93.4	98.2	98.6	99.2	99.3	99.5	99.51	00.0
> 100	. 1			68.9						98.2						
2 0	41.2	56.3	64.3	68.9	84.8	86.7	90.9	92.7	93.4	98.2	98.6	99.2	99.3	99.5	99.51	00.0
	<u> </u>															

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

SLIBAL CLIMATOLOGY BRANCH SAFETAC AT AEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1839-2000

ERING							54	31. 11 S14	Community of							
rit.	≥15	≥ 0	> ·	<i>:</i> 4	د ځ	22	 	· ·	2 .	· ·	2 .	٠.		· ·	•	2
NO TERUNO	9.7	12.5	14.8	15.4	18.1	18.3	20.1	21.2	21.8	22.7	22.7	22.9	22.9	23.2	23.3	23.4
J 20000							22.3									
≥ 18000	11.1	14.2	16.6	17.2	20.3	20.5	22.3	23.5	24.5	25.5	25.5	25.6	25.8	26.2	26.3	26.5
d 18000							22.3					25.6	25.8	26.2	26.3	26.5
≥ 14000	11.2	14.4	16.8	17.4	20.4		22.4	23.6	24.6	25.6	25.6	25.7	25.9	26.3	26.4	26.7
≥ 12000 .	11.4	14.7		17.7	27.7	21.3			25.0		25.9		26.3	26.7	26.8	27.0
≥ 10000	12.3	16.0					24.2				27.4	27.5	27.7	28.1	28.2	28.5
≥ 900€	12.3	16.0					24.2				27.4		27.7		28.2	28.5
1 8000							26.5				_					
± 2000							26.9								31.0	31.2
≥ 6000							27.0								31.1	31.4
± 5000							28.5									32.8
± 459€	18.5						32.3									36.7
<u> 4000</u>	20.q						35.5									
≥ 3506							38.7						42.0	42.3	42.5	42.7
≥ 3000	25.8						45.0						49.8		50.4	50.8
≥ 2500	29.1	37.8	41.1	42.8	48.1	48.9	51.1	52.7	54.11	55.6	55.6	55.9	56.1	56.5	56.7	57.1
≥ 2000;	32.6	42.8					58.4							64.2		64.8
± ±800	33.4	44.4	48.9	51.1	57.7	58.5	60.9	62.7	64.1	65.9	65.9	66.1	66.3	66.7	66.9	67.3
≥ 1500	36.4	49.7					68.9								75.9	76.2
≥ 1200	36.8	50.8	57.3	,			73.2					-		80.5	87.7	81.1
≥ 1000	36.9		57.8				77.2							64.9	85.2	85.5
- 90C	l a				-		80.0								66.8	89.1
≥ 800	37.4	51.7	1				82.5									91.6
≥ 700		51.7	59.3	65.1	77.6	79.4	84.0	87.0	88.9	92.8	92.8	93.0	93.2	43.6	93.8	94.2
≥ 500.	37.4	51.7	59.3				85.2						94.8		95.4	95.8
.÷ 500°	37.4	51.7	59.3	65.1	78.5	80.5	85.5	88.8	90.8	95.4	95.4	95.8	96.0	96.4	96.6	97.0
. 400			59.3				85.9									
≥ 300°	37.4		59.3				85.9									
≥ 200	37.4		59.3				85.9									
	37.4	51.7	59.3	65.1	78.5	80.5	85.9	89.5	91.7	97.6	97.7	98.4	98.7	99.0	99.3	99.9
ن د	37.5	51.9	59.5	65.3	73.6	80.6	86.0	89.6	91.8	97.7	97.8	98.6	98.8	99.2	99.41	130.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

GLCPAL CLIMATOLOGY BRANCH USAFETAC AIS MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10.14 RAMSTEIN AB DL

73-61

<u>JAN</u>

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

CEUNA							V 5 1	8 . * . 5 4	* *F & 5	<del></del>						
+56.	≥:0	≥ 5	2 '	2.4		27	≥ ;	ž.	<u> </u>	;	2 4	* .	<del></del>	25 6		<i>.</i>
NO ELNO										21.2						
= ************************************										23.9						
2 1 1 1							_			23.9	_					
										23.9						
2 ,000										23.9						
2 95										25.2					26.7	27.I
≥ 2.0(										25.7						
* K(KK)	1 7		_							27.9						
2 *(N(N)) = = -										28.8						
• 50000 • 5,870										28.8 31.6						
		:								35.9						
1 4500° 2 4000	20.9		_			_				38.4						
* E C C C C C C C C C C C C C C C C C C										40.9						
3.4%	1								-	49.0						
25/10	28.5	35.4	38.9	40.6	44.8	45.9	48.7	50.4	51.6	53.2	53.3	53.7	54.3	54.7	55.0	55.6
2.000										60.Q						
- ,800										61.6						
2 1590										71.7						
2 1704	,	i				,				77.9						
										82.2						
90C 80C				1			,			87.9						
700										90.2						
2 60K	38.9	i								91.7						
± =										92.8						
400	38.9	52.5	60.1	65.2	76.7	78.5	83.7	87.8	90.0	94.6	94.7	95.3	96.3	96.8	97.0	97.6
30	38.9	52.5	67.1	65.2	76.7	78.5	83.8	87.9	90.2	95.6	95.7	96.4	97.4	97.8	98.1	98.7
2 POC	38.9		3							96.0						
·										96.0			-			
	38.9	52.5	60.1	65.2	76.7	78.5	83.8	87.9	90.3	96.0	96.2	46.9	98.3	98.9	99.31	100.0

USAF ETAC ..... 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

: \_-

SLEBAL CLIMATOLOGY BRANCH SEAFETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB DL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ASBUTH STATUTE MUE

ALL

.... 7.6 9.6 11.1 11.5 14.0 14.2 15.6 16.9 17.6 18.6 18.6 18.7 18.9 19.1 19.3 19.5 9.3 11.7 13.3 13.9 16.7 17.0 18.5 19.9 20.7 21.8 21.9 22.0 22.2 22.5 22.6 22.9 9.4 11.8 13.4 14.0 16.8 17.1 18.6 20.0 20.8 22.0 22.0 22.1 22.3 22.6 22.8 23.1 9.5 11.8 13.4 14.1 16.9 17.1 18.6 20.0 20.9 22.0 22.0 22.1 22.3 22.6 22.6 23.1 7.5 12.0 13.6 14.2 17.0 17.3 18.8 20.2 21.0 22.1 22.2 22.3 22.5 22.8 22.9 23.2 9.7 12.1 13.7 14.4 17.2 17.4 18.9 20.3 21.2 22.3 22.3 22.4 22.7 22.9 23.1 23.4 10.2 12.8 14.5 15.2 18.1 18.3 19.8 21.2 22.1 23.2 23.3 23.4 23.6 23.9 24.0 24.3 2 - 2000 ≥ 10000 ≥ 9000 10.4 13.1 14.8 15.5 18.4 18.6 20.2 21.6 22.5 23.6 23.7 23.8 24.3 24.3 24.4 74.7 11.4 14.3 16.2 17.1 28.3 20.5 22.1 23.7 24.5 25.7 25.8 25.9 26.1 26.4 26.5 26.8 12.1 15.7 17.3 17.9 21.1 21.4 23.0 24.5 25.4 26.7 26.7 26.3 27.0 27.3 27.5 27.8 12.2 15.3 17.3 18.2 21.4 21.7 23.3 24.9 25.7 27.0 27.1 27.2 27.4 27.7 27.6 26.1 13.4 16.9 18.9 19.8 23.2 23.5 25.1 26.7 27.6 28.9 28.9 29.0 29.2 29.5 29.7 33.3 16.1 19.8 21.9 22.9 26.5 26.9 28.6 30.2 31.2 32.5 32.6 32.7 33.0 33.2 33.4 33.7 5000 4148 17.5 21.8 24.0 25.0 28.8 29.3 31.1 32.8 33.8 35.2 35.2 35.3 35.6 35.9 36.0 36.3 19.2 23.8 26.2 27.2 31.2 31.7 33.7 35.5 36.5 38.0 38.0 38.1 38.4 38.7 38.8 39.1 23.1 28.8 31.7 33.3 39.1 38.7 40.9 42.7 43.9 45.6 45.7 45.8 46.1 46.4 46.6 46.9 25.2 32.2 35.4 37.1 42.3 42.9 45.2 47.1 48.3 50.1 50.1 50.3 50.6 50.9 51.1 51.4 28.5 36.7 40.3 42.5 48.4 49.0 51.6 53.7 55.0 56.9 57.1 57.3 57.6 57.8 58.0 58.4 29.8 38.4 42.3 44.5 50.6 51.2 53.8 56.0 57.3 59.2 59.3 59.5 59.8 60.1 60.3 60.6 35.1 45.7 50.2 52.9 60.2 60.9 63.7 66.1 67.5 69.6 69.7 70.0 70.3 70.6 70.8 71.1 36.7 48.6 53.9 57.2 65.6 66.4 69.4 72.1 73.6 75.8 75.9 76.2 76.5 76.8 77.0 77.3 37.9 53.2 56.2 60.0 70.1 71.1 74.6 77.5 79.1 81.4 81.5 81.8 82.1 82.4 82.6 82.9 38.3 57.8 57.2 61.5 72.6 73.7 77.5 80.6 82.2 84.9 85.0 85.3 85.6 85.9 86.1 86.4 3.5% 38.4 51.4 58.2 63.4 76.7 78.2 83.5 88.0 89.9 94.1 94.4 94.7 95.1 95.4 95.6 96.0 38.6 51.4 58.2 63.1 76.7 78.2 83.6 88.6 90.7 95.4 95.7 96.2 96.6 96.9 97.1 97.5 38.6 51.4 58.2 63.1 76.7 78.2 83.7 88.7 90.9 96.1 96.4 96.9 97.3 97.8 98.0 98.4 38.6 51.4 58.2 63.1 76.7 78.2 83.7 88.7 90.9 96.3 96.6 97.2 97.7 98.3 98.7 99.6 38.6 51.4 58.2 63.1 76.7 78.2 83.7 88.7 90.9 96.3 96.6 97.2 97.7 98.3 98.7 99.6 38.6 51.4 58.2 63.1 76.7 78.2 83.7 88.7 90.9 96.3 96.7 97.3 97.8 98.5 99.0100.0 38.4 51.4 58.3 63.1 76.8 78.2 83.7 88.7 90.9 96.4 96.7 97.3 97.9 98.5 99.0100.0

TOTAL NUMBER OF OBSERVATIONS 6637

USAF ETAC - 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

(3

CLUBAL CLIMATOLOGY BRANCH USAFETAC Al WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 143 RAMSTEIN AB DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

מתצח-חכתם

TOTAL NUMBER OF OBSERVATIONS

751

USAF ETAC 0+14+5 (OL A PREVIOUS EDITIONS OF THIS FORM ARE INSOLETE

SLIBAL CLIMATOLOGY BRANCH INFETAC AIT REATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

1 -14" RAMSTEIN AB OL

7 3 - 81

F E E ...

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1330**-**3500

TOTAL NUMBER OF OBSERVATIONS

753

USAF ETAC 0-14-5 FOL A - MEVIOUS ESTITIVES OF THE FORM ARE DISSOUTE

GLURAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 145 RAMSTEIN AB DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE : FROM HOURLY OBSERVATIONS:

2630<u>-0800</u>

CELLING.							. ~ 5	5, 14 STA	T. TE M E	× .						
FEE! '	≥10	≥¢	≥ :	> 4	≥ .	::2	27	ž.	2	<u>&gt;</u>	2 4		,	25 :	٠.	
NO EUNO	7.3	7.7	12.6	13.5	16.3	16.4	18.1	19.2	20.4	22.6	23.1	23.1	23.3	23.3	24.1	24.3
≥ 20000					- 1		20.5									
2 90							20.6									
<b>≥</b> 15000							20.6									
≥ 4.69	3.1	11.4	14.4	15.5	18.5	18.7	20.6	21.7	22.9	25.3	25.9	25.9	26.1	26.1	27.0	27.2
± 1.00x		:					20.9									
2 1000	9.7	12.3	15.5	16.5	19.7	19.8	21.8	22.9	24.1	26.5	27.1	27.1	27.2	27.2	28.2	28.4
\$ \$000	- 1	12.3		16.5			22.1									
- 800C							23.7								30.7	31.7
1900							23.9								31.0	
÷ 6000	10.6	13.4	16.7	18.3	22.0	22.1	24.1	25.7	26.9	29.2	29.9	29.9	30.2	30.2	31.1	31.3
\$ 1600°	11.0	14.3	17.6	19.2	23.Q	23.1	25.4	27.0	28.2	30.6	31.2	31.2	31.5	31.5	32.4	32.7
* 4500°		-					27.6									
_ 4U(X	14.6	18.5	22.2	24.1	29.4	29.6	32.7	34.4	35.6	38.1	38.9	38.9	39.2	39.3	40.2	43.5
3500	16.7	20.4	24.6	26.7	32.4	32.7	35.7	38.1	39.6	42.1	42.9	42.9	43.1	43.3	44.2	44.4
2 3000	19.4	24.2	28.4	31.1	37.8	38.1	41.3	43.7	45.6	48.4	49.2	49.5	49.7	50.0	51.1	51.3
2500	23.5	28.8	33.2	36.0	42.9	43.1	46.4	48.9	50.9	53.8	54.6	54.9	55.2	55.4	56.5	56.7
2006							51.3									
≥ 80C							53.3									
≥ 1500							60.7									
≥ +200	29.6	39.0	45.1	49.3	60.3	61.1	65.1	68.5	70.6	74.5	75.4	75.7	75.9	76.2	77.2	77.5
2 1000	30.4						69.8									
90C	30.6	40.5	47.5	52.5	64.8	66.0	71.2	75.1	77.4	81.9	82.8	83.1	83.3	83.6	84.7	84.9
≥ 80C:	31.1	41.Q	48.1	53.3	66.C	67.2	73.1	77.5	0.08	84.7	85.7	86.0	86.2	86.5	87.6	87.8
2 700	31.1	41.0	48.1	53.3	66.1	67.3	73.3	78.0	80.6	86.0	87.0	87.3	87.6	87.8	88.9	89.2
≥ 600	31.1	41.d	48.1	53.3	66.3	67.5	73.5	78.7	81.3	87.2	88.2	88.5	88.8	89.0	90.1	90.3
± 500	31.1	41.0	48.1	53.3	66.3	67.5	74.1	79.2	82.0	88.8	89.8	90.1	90.3	90.6	91.7	91.9
± 40C	31.1	41.C	48.1	53.3	66.7	67.9	74.5	79.9	82.7	89.8	90.9	91.3	91.5	92.1	93.4	93.7
2 300	31.1	41.0	48.1	53.3	66.7	67.9	74.5	80.0	82.8	90.1	91.3	91.8	92.1	92.7	94.2	95.0
÷ 200							74.5									
> 100	31.1	41.0	48.1	53.3	66.7	67.9	74.5	80.0	82.8	90.6	92.1	92.6	92.9	94.3	96.6	98.9
<u> </u>	31.1	41.0	48.1	53.3	66.7	67.9	74.5	80.0	82.8	90.7	92.2	92.7	93.0	94.7	97.11	00.0

USAF ETAC (2004) 0+14-5 (OL.A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH LD4FETAC ATS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB DL

2

73-81

FER

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

SIBOLIN STATUTE MILES ,  $\geq 10^{\circ}$  ,  $\geq 6^{\circ}$  ,  $\geq 10^{\circ}$  ,  $\geq 4^{\circ}$  ,  $\geq 2^{\circ}$  ,  $\geq 10$ 6.2 9.1 11.2 13.1 17.3 17.9 20.2 21.0 22.8 24.4 24.7 24.9 24.9 24.9 25.2 25.3 7.3 13.3 12.8 14.9 19.5 20.3 22.8 24.3 26.1 27.8 28.2 28.5 28.5 28.5 28.8 26.9 7.3 13.3 12.8 14.9 19.5 23.3 22.8 24.3 26.1 28.0 28.4 28.6 28.6 28.8 29.0 29.2 2 80ss. 2 5 Wa 7.1 13.3 12.8 14.9 19.5 23.3 22.8 24.3 26.1 28.0 28.4 28.6 28.6 28.8 29.0 29.2 7.3 13.3 12.8 14.9 19.5 23.3 22.8 24.3 26.1 28.0 28.4 28.6 28.6 28.8 29.0 29.2 7.4 10.6 13.1 15.2 19.8 20.6 23.1 24.5 26.4 28.2 28.6 28.9 28.9 29.2 29.4 29.6 7.9 11.1 13.9 16.0 20.6 21.4 24.0 25.5 27.3 29.2 29.6 29.8 29.8 30.1 30.3 30.5 ± 10(n); ± 10(n); 7.9 11.1 13.9 16.0 20.6 21.4 24.0 25.6 27.4 29.3 29.7 29.9 29.9 30.2 30.5 30.6 9.1 12.4 15.2 17.3 22.3 23.1 25.9 27.6 29.6 31.7 32.1 32.3 32.3 32.7 33.0 33.1 9.4 12.7 15.4 18.1 23.1 23.9 26.6 28.4 30.3 32.5 32.8 33.1 33.1 33.5 33.8 33.9 9.5 12.6 15.6 18.2 23.2 24.0 26.8 28.5 30.5 32.6 33.0 33.2 33.2 33.6 33.9 34.0 10.6 14.2 17.2 19.9 25.1 25.9 28.6 30.5 32.5 34.6 35.0 35.2 35.2 35.6 35.9 36.0 10.8 15.0 17.9 21.0 26.5 27.6 30.3 32.2 34.2 36.3 36.7 36.9 36.9 37.3 37.6 37.7 12.1 17.0 19.9 23.1 29.3 30.3 33.1 35.0 36.9 39.1 39.4 39.7 39.7 40.1 40.4 40.5 14.1 19.8 22.8 25.9 32.6 33.6 36.4 38.4 40.4 42.7 43.3 43.5 43.5 43.9 44.2 44.3 16.9 23.4 26.8 30.3 38.5 39.7 42.9 45.0 47.2 50.5 51.2 51.7 51.7 52.1 52.4 52.5 20.1 27.6 31.3 35.0 43.7 45.0 48.3 50.5 52.8 56.1 56.7 57.3 57.3 57.7 57.9 58.0 22.4 30.7 35.0 38.9 48.2 49.5 52.9 55.3 57.5 60.9 61.6 62.1 62.1 62.5 62.8 62.9 23.2 31.8 36.0 40.2 50.0 51.3 54.7 57.1 59.4 62.9 63.6 64.1 64.1 64.5 64.8 64.9 24.4 34.2 38.7 43.3 55.1 56.7 60.7 63.3 65.7 69.4 70.2 70.8 70.8 71.2 71.6 71.8 26.1 37.5 42.3 47.1 61.2 63.5 67.4 70.2 73.0 77.0 77.8 78.5 78.5 78.9 79.3 79.4 2000 26.1 37.5 42.3 47.1 61.2 63.5 67.4 70.2 73.0 77.0 77.8 78.5 78.5 78.9 79.3 79.4 26.4 38.3 43.5 46.3 64.0 66.4 70.6 73.6 76.6 81.0 81.8 82.8 82.8 83.2 63.6 83.8 26.4 38.3 43.7 48.4 64.6 67.3 71.5 74.7 77.7 82.5 83.2 84.3 84.3 84.7 85.1 85.2 26.5 38.7 44.3 49.2 66.2 69.0 73.7 77.2 80.3 85.6 86.5 87.6 87.7 88.3 88.9 89.1 26.5 38.7 44.3 49.2 66.9 69.7 74.7 78.8 82.2 87.6 88.5 89.6 89.7 90.4 91.0 91.2 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.6 83.4 89.3 90.8 91.8 92.0 92.7 93.4 93.5 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 91.4 92.6 92.9 93.8 94.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.4 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.4 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.5 94.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.2 90.6 92.2 93.8 93.7 94.7 95.6 95.5 94.6 93.2 94.8 94.2 90.6 92.2 93.8 94.2 90.6 9 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.8 84.6 91.2 92.7 94.2 94.5 95.6 96.3 96.6 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.9 84.7 91.7 93.5 95.0 95.5 97.2 98.2 98.8 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.9 84.7 91.8 93.7 95.1 95.6 97.6 98.7100.0 26.5 38.7 44.3 49.2 67.3 70.1 75.2 79.9 84.7 91.8 93.7 95.1 95.6 97.6 98.7100.0

TOTAL NUMBER OF OBSERVATIONS

TOTAL NOMBER OF OBJER

<u>758</u>

USAF ETAC 4 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

GLUBAL CLIMATOLOGY BRANCH ISAFETAC All HEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14° RAMSTEIN AB DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

	FILLS							- 5 5	S., CY STA		4						
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٠,	12 FEDN									_	25.3 31.3						
٠ -	* 8 MC										31.6						
	2 5 7 _										31.6						
	≥ '4(%)-										31.6						
-	2 12004										32.1						
	± 245° - 2659			23.3							32.8						
		15.5									36.7						
	2000 2004										37.5						
· ·	- 5(M/4)										37.7						
	+ 2 00 ∓ 2007				- •						40.1				• -		
•-	45ct										42.4						
	4 Juli	22.5	30.9	33.0	36.3	42.4	42.6	43.6	44.7	45.2	45.8	45.9	46.2	46.4	46.4	46.4	46.4
	2 590	25.2	34.6	36.7	40.2	46.3	46.4	47.5	48.5	49.1	49.6	49.6	57.0	50.3	50.3	50.3	50.3
	* 3 M/M,	28.8	39.5	41.9	46.2	53.6	53.8	55.3	56.5	57.4	58.2	58.2	58.6	58.9	58.9	58.9	58.9
*-	250C										61.9						
	200x										68.2						
٠	804		- 1		,						68.8						
_	500					1					76.4						
	d 201	- ,									82.6						
	2 100		52.8								86.6						88.2
	- 904 ;	:									90.7						
				,		,					92.8						
	2.4 2 000										94.4						
	." <b>.</b>	- •						:			95.8						
	5.00° 2 40°H	38.2									96.4						
•	<del></del>	38.2		-					_		96.6	,					
	- XX	38.2	53.3	57.3	62.9	82.0	83.6	87.0	89.9	92.7	96.9	98.0	99.5	99.91	00.01	00.01	00.0
	·	38.2	53.3	57.3	62.9	82.0	83.6	87.0	89.9	92.7	96.9	98.0	99.5	99.9	00.01	30.01	00.0
	2	38.2	53.3	57.3	62.9	82.0	83.6	87.0	89.9	92.7	96.9	98.0	99.5	99.91	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

754

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDIT: HIS OF THIS FORM ARE OBSOLETE

SECHAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 147 RAMS

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RAMSTEIN AB DL

STATION NAME

73-81

FES

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

1500-1700

211 26 25 24 25 21 21 21 - 1500C ; 14 304 ; 12044 > 1,9(**x**)() > 9000 - BOOK \*:N(K) • 600r ~ 450K 2 4-0 2500 2500 + 15ca 120F B(K 704 ± 700 ≥ 50k 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.0 94.4 97.4 97.8 97.9 98.0 98.3 98.4 98.4 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.4 95.1 98.3 98.9 99.1 99.2 99.5 99.6 99.6 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.4 95.1 98.5 99.2 99.3 99.5 99.7 99.9 99.9 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.4 95.1 98.5 99.3 99.5 99.6 99.9100.0100.0 368 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.4 95.1 98.5 99.3 99.5 99.6 99.9100.0100.0 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.4 95.1 98.5 99.3 99.5 99.6 99.9100.0100.0 44.7 59.5 65.7 71.2 89.7 90.2 91.8 93.4 95.1 98.5 99.3 99.5 99.6 99.9100.0100.0

USAF ETAC ...... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC AI - MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 6140 RAMSTEIN AB DL

73-81\_\_\_

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1900-2000

20 26 25 24 20 10 21 2 1 + No character 15.7 19.2 21.2 23.9 28.2 26.8 30.2 30.9 30.9 30.9 30.9 30.9 31.0 31.0 S 49 1 क्ष कार्यस्य १८५, अस् इ. १०६४८ १. १८६४ 23.5 30.5 33.0 36.5 42.7 43.4 45.0 45.8 45.8 45.9 45.9 45.9 45.9 46.0 46.0 46.0 26.0 33.2 35.8 39.3 46.3 46.9 48.5 49.3 49.3 49.5 49.5 49.5 49.5 49.6 49.6 49.6 27.9 35.8 38.9 42.2 49.5 50.1 51.7 52.5 52.5 52.8 52.8 52.8 52.8 52.8 52.9 52.9 4\*\*\* 34.1 44.2 48.8 52.9 62.6 63.4 65.5 66.4 66.7 67.0 67.2 67.2 67.2 67.4 67.4 67.4 67.4 36.1 46.8 51.7 56.1 66.6 67.4 69.5 70.4 70.7 71.0 71.2 71.2 71.2 71.4 71.4 71.4 2 /500 37.8 49.2 54.1 58.5 70.7 71.5 74.0 75.5 75.7 76.1 76.4 76.4 76.4 76.5 76.5 76.5 76.5 38.9 50.9 55.4 60.1 72.5 73.3 76.3 77.7 78.0 78.4 78.6 78.6 78.6 78.8 78.8 40.2 53.1 58.1 63.1 77.9 78.6 81.8 83.3 83.6 84.5 84.7 85.0 85.0 85.3 85.3 85.3 40.6 54.1 59.4 65.0 80.8 82.5 85.9 87.4 87.8 89.1 89.5 89.8 89.8 90.1 90.1 90.1 41.4 54.9 60.3 66.0 82.0 83.7 87.3 89.3 89.7 91.2 91.6 91.9 91.9 92.2 92.2 92.2 41.8 55.2 60.6 66.3 82.8 84.5 88.1 90.1 90.6 92.2 92.6 92.8 93.1 93.1 93.1 . 80t 2 1500 ≥ 7,4 1,400 200 2 800 41.6 55.2 60.6 66.6 83.7 86.1 89.8 91.8 92.4 94.4 94.8 95.1 95.1 95.4 95.4 95.4 41.6 55.2 60.7 66.7 84.5 87.3 91.1 93.1 93.8 95.8 96.2 96.7 96.7 96.9 96.9 96.9 · 700 41.6 55.2 60.7 66.7 84.5 87.3 91.2 93.8 94.6 96.8 97.3 98.0 98.0 98.3 98.3 98.3 98.4 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 97.7 98.3 98.9 98.9 99.2 99.2 99.2 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 97.9 98.4 99.2 99.2 99.5 99.5 99.5 ≥ 600 50C 40C 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 98.0 98.7 99.5 99.7 99.7 99.7 200 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 98.0 98.7 99.5 99.5 99.7 99.7 99.7 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 98.0 98.7 99.5 99.5 99.7 99.7 99.7 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 98.0 98.7 99.5 99.5 99.9 99.9100.0 ≥ 300 2 200 41.6 55.2 60.7 66.7 84.5 87.3 91.2 94.2 95.2 98.0 98.7 99.5 99.5 99.9 99.9100.0

TOTAL NUMBER OF OBSERVATIONS

754

PRODE !

USAF ETAC 4 0-14-5 (OL A) PREVIOUS EDITIONS + THIS FORM ARE DESOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 (140 RAMSTEIN AB DL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

2100-2300

CEIUNG	1						V151	Bictr STA	ot offer Mille	5						
· +EET	≥ 0	≥6	≥ 5	≥ 4	د ح	27.	27	2	2	-	2 +	≥ .		25 %	2.	24
NC- CERING	16.2	19.6	21.2	22.4	28.6	29.5	30.3	31.9	32.2	33.5	33.6	33.9	34.3	34.8	35.4	35.8
≥ 20000	18.0	21.9	24.4	25.4	31.6	32.7	33.5	35.5	35.8	37.1	37.2	37.5	37.9	38.5	39.1	39.5
≥ 18000	18.7	21.9	24.0	25.4	31.6	32.7	33.5	35.5	35.8	37.1	37.2	37.5	37.9	38.5	39.1	39.5
≥ 500€	18∙0	21.9	24.0	25.4	31.6	32.7	33.5	35.5	35.8	37.1	37.2	37.5	37.9	38.5	39.1	39.5
≥ 14000	18.2	22.0	24.2	25.5	31.8	32.8	33.6	35.6	35.9	37.2	37.4	37.7	38.1	38.6	39.3	39.7
2 1200C	18.3	22.4	24.6	25.9	32.2	33.2	34.0	36.0	36.3	37.7	37.8	38.1	38.5	39.0	39.7	40.1
≥ 1000C	18.8	23.2	25.4	26.7	33.0	34.3	35.2	37.2	37.5	38.9	39.C	39.3	39.7	40.2	40.9	41.3
. ≥ 900€	19.1	23.5	25.8	27.2	33.8	35.2	36.2	38.2	38.5	39.8	39.9	40.2	40.6	41.1	41.8	42.2
. 8000	20.3	24.8	27.1	28.6	35.1	36.6	37.5	39.9	40.2	41.5	41.7	41.9	42.3	42.9	43 5	43.9
± 7000	20.7	25.2	27.5	29.Q	35.5	37.Q	37.9	40.3	40.c	41.9	42.1	42.3	42.7	43.3	43.	44.3
≥ 6000	20.7	25.4	27.6	29.1	35.6	37.1	38,1	40.5	40.7	42.1	42.2	42.5	42.9	43.4	44	44.5
5000	21.4	27.0	29.4	30 . 8	38.2	39.7	40.7	43.1	43.4	44.9	45.0	45.3	45.7	46.2	46.9	47.3
4500	23.5	29.9	32.3	33.8	41.3	42.7	44.1	46.6	47.0	48.6	48 . 7.	49.0	49.4	49.9	50.6	51.0
.4 400C	26 . d	32.7	35.2	36.7	44.5	45.9	47.3	49.8	50.2	51.8	51.9	52.2	52.6	53.3	53.9	54.3
2 3500	27.5	35.0	37.5	39.8	47.9	49.4	57.7	53.3	53.7	55.3	55.4	55.7	56.1	56.7	57.4	57.8
. 2 3000	32.4	40.5	43.5	46.2	54.3	55.8	57.3	59.8	60.2	61.9	62.1	62.3	62.8	63.4	64.1	64.5
2500	33.4	41.8	45.4	48.2	56.9	58.5	59.9	62.8	63.2	65.0	65.2	65.4	65.8	66.5	67.2	67.6
≥ 2000	35.1	44.6	48.7	51.9	61.7	63.3	65.3	68.2	68.6	70.8	70.9	71.2	71.6	72.2	72.9	73.3
≥ 1800	35.9	45.8	49.9	53.3	63.6	65.2	67.2	70.1	70.5	72.6	72.8	73.0	73.4	74.1	74.8	75.2
. 2 1500	38.1	49.3	53.7	57.4	69.6	71.6	73.6	76.8	77.2	79.7	80.0	80.4	80.8	81.4	82.1	82.5
≥ 1200	39.0	51.3	55.9	59.8	72.9	75.8	78.2	81.8	82.2	84.9	85.2	85.6	86.D	86.6	87.3	87.7
2 1000	39.5	52.1	57.0	60.9	75.0	78.5	81.3	85.3	85.7	88.5	88.8	89.2	89.6	90.3	90.9	91.3
÷ 900	39.5	52.1	57.0	60.9	75.7	79.2	82.1	86.2	86.6	89.7	90.0	90.4	90.8	91.5	92.1	92.5
≥ 800	39.9	52.6	57.7	61.7	77.0	80.5	83.6	87.7	88.1	91.7	92.0	92.4	92.8	93.5	94.1	94.5
> 700	39.9	52.6	57.7	61.8	77.2	81.0	84.5	88.8	89.2	92.8	93.1	93.5	93.9	94.5	95.2	95.6
. ≥ 600	39.9	52.6	57.8	61.9	77.8	81.7	85.2	89.6	90.0	94.3	94.5	94.9	95.3	96.0	96.7	
≥ 500	39.9	52.6	57.8	61.9	77.8	82.1	86.2	90.8	91.3	95.6	95.9	96.5	96.9	97.6	98.3	98.7
3 400	39.9			61.9	77.8	82.1	86.2		91.7		96.7	97.3		98.5		99.6
> 300	39.9	52.6	57.8	61.9	77.8	82.1	86.2		91.7		96.8	97.5		98.8		99.9
.: 200	39.9			61.9	77.8	82.1	86.2		91.7		96.8	97.5				99.9
	39.9			61.9	77.5	82.1	86.2			96.5		97.5		98.8		
		,			77.8	82.1				96.5						

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 140 RAMSTEIN AB DL 73-81

PERCENTAGE FREQUENCY OF OCCURRENCE

ALL

CONSTRUCTOR STATE OF ES \_210 25 ≥5 ≥4 ≥3 ≥2. ≥7 ≥<sup>1</sup> 21. 2 2 2 2 2 25 26 2 2 NO 18-NO 11.6 15.5 17.5 19.2 23.5 24.1 25.2 26.3 26.9 28.4 28.5 28.7 28.8 29.1 29.6 29.7 2 9000 2 7000 16.8 22.9 24.4 26.8 32.2 33.0 34.3 35.9 36.6 38.2 38.5 38.7 39.0 39.6 39.8 16.8 22.1 24.6 27.0 32.4 33.2 34.6 36.1 36.8 38.4 38.6 38.7 39.0 39.3 39.9 40.0 17.9 23.5 26.2 28.6 34.3 35.1 36.5 38.1 38.7 40.4 40.6 40.7 41.0 41.3 41.9 42.0 19.6 25.9 28.6 31.0 37.1 37.8 39.4 41.0 41.7 43.5 43.7 43.8 44.1 44.4 45.0 45.2 21.6 28.5 31.4 34.0 40.5 41.3 43.0 44.6 45.4 47.2 47.4 47.6 47.9 48.2 48.8 48.9 23.5 31.0 34.1 36.9 43.7 44.3 46.2 48.8 50.7 50.9 51.1 51.4 51.7 52.3 52.4 • 6000 2 3500 5 3000 7 3000 27.3 35.8 39.3 42.4 50.3 51.2 53.0 54.9 55.9 58.1 58.3 58.6 58.6 59.2 59.8 60.0 29.9 39.0 42.8 46.2 54.3 55.2 57.1 59.0 60.1 62.2 62.5 62.8 63.0 63.4 64.0 64.2 32.3 42.1 46.3 50.0 58.8 59.7 61.8 63.9 64.9 67.2 67.5 67.8 68.0 68.4 69.1 69.2 32.9 43.0 47.3 51.2 60.4 61.3 63.5 65.6 66.6 68.9 69.2 69.5 69.8 70.2 70.8 70.9 2 250c 2006 180C 34.4 45.8 50.5 54.9 66.0 67.0 69.4 71.8 72.9 75.5 75.9 76.3 76.6 77.0 77.6 77.8 35.5 47.9 52.9 57.7 70.5 72.0 74.7 77.5 78.7 81.6 82.0 82.4 82.7 83.1 83.8 83.9 36.0 48.9 54.3 59.4 73.6 75.3 78.4 81.4 82.7 85.8 86.2 86.7 86.9 87.4 88.0 88.2 36.1 49.0 54.5 59.7 74.3 76.0 79.3 82.4 83.7 87.0 87.4 87.9 88.1 88.6 89.3 89.4 • 90C 36.2 49.4 54.9 60.3 75.5 77.3 81.0 84.3 85.8 89.5 90.0 90.4 90.7 91.2 91.9 92.0 36.2 49.4 55.0 60.4 76.0 78.0 81.8 85.3 86.9 90.9 91.4 91.9 92.1 92.7 93.3 93.5 36.2 49.4 55.6 60.5 76.2 78.2 82.2 85.9 87.6 92.0 92.6 93.1 93.4 93.9 94.6 94.8 36.2 49.4 55.6 60.5 76.4 78.5 82.7 86.7 88.6 93.4 94.0 94.6 95.0 95.5 96.2 96.3 36.2 49.4 55.0 60.5 76.4 78.5 82.8 87.1 89.1 94.2 94.9 95.5 95.8 96.5 97.2 97.3 36.2 49.4 55.0 60.5 76.4 78.5 82.8 87.1 89.3 94.5 95.3 96.0 96.3 97.1 97.9 98.1 36.2 49.4 55.0 60.5 76.4 78.5 82.8 87.1 89.3 94.8 95.6 96.4 96.7 97.7 98.6 99.0 ≥ 300 ≥ 200 36.2 49.4 55.0 60.5 76.4 78.5 82.8 87.1 89.3 94.9 95.7 96.5 96.9 98.0 98.9 99.7 36.2 49.4 55.0 60.5 76.4 78.5 82.8 87.1 89.3 94.9 95.8 96.6 96.9 98.1 99.1100.0

FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 4 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 :140 RAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3000-0200

(FILING)							V:51	Bili" STA	TUTE MILE	5						
FEET !	≥10	≥6	≥5	≥ 4	≥ 3	≥?:	27	2	21.4	≥'	2 .	≥ .	-	25 15		≥0
NO CEILING	21.0	-	26.8		31.1		31.6					32.7				35.3
≥ 20000	25.3									39.0						
≥ 18000 →	25.3	30.6		32.3	36.5					39.0						
≥ .9000	25.3	30.6	1	32.3						39.			39.6	<del></del>	40.7	41.6
≥ 4000	25.3	30.6	T	32.3	36.5	36.9			38.4		39 • D	39.3	39.6	40.6	40.7	41.6
≥ 12000	25.3	30.7	31.8	32.4	36.6		37.8		38.5	39.1	39.1	39.4	39.8	40.7	40.9	41.7
≥ 10000	26.8	32.4	33.5	34.3	38.6	39.0	39.8	40.2	40.6	41.4	41.4	41.6	42.0	43.1	43.2	44.1
. ≥ 6000	27.1	32.7	33.8	34.7	39.0	39.4	40.1	40.6	41.0	41.7	41.7	42.0	42.4	43.5	43.6	44.5
≥ 8000	28.1	34.2	35.7	36.5	41.2	41.7	42.5	43.0	43.4	44.1	44.1	44.3	44.7	45.8	46.0	46.8
≥ 7000 :	28.8	34.9	36.4	37.3	42.0	42.5	43.2	43.9	44.2	45.0	45.0	45.2	45.6	46.7	46.8	47.7
± 6000	29.1	35.3	36.8	37.6	42.4	42.9	43.6	44.2	44.6	45.3	45.3	45.6	46.D	47.1	47.2	48.1
5000	30.6	37.4	38.9	39.9	44.8	45.3	46.3	47.0	47.3	48.1	46.1	48.3	48.7	49.8	49.9	50.8
450C	34.2	42.1	43.9	45.1	51.4	51.9	53.3	54.0	54.4	55.2	55.2	55.4	55.8	56.9	57.0	57.9
4000	36.5	45.5	47.2	48.4	55.4	55.9	57.4	58.5	58.9	59.6	59.6	59.9	60.2	61.4	61.5	62.4
> 350C	40.5	50.6	52.5	53.9	61.0	61.5	63.0	64.1	64.5	65.2	65.2	65.5	65.8	67.G	67.1	68.0
e 300G	44.5	55.7	57.9	59.6	67.1	67.6	69.1	70.4	70.8		71.6	71.9	72.3		73.5	74.4.
≥ 2500	47.0	58.3	60.6	62.6	70.2	70.7	72.2	73.5	73.9		74.7	75.0	75.4	76.5	76.6	
≥ 2000	49.8	61.9	64.3	66.8	75.3	75.8	77.3	78.6	79.1		79.9	80.5	81.0	82.1		83.1
2 1800	50.2	62.5	65.0	67.5	75.9	76.6	78.1	79.5			80.7	81.4		83.C	83.1	
≥ 1500	53.0	65.7	68.6	71.4	80.4	81.1	82.6	84.D	85.0		85.7	86.3	86.8	88.0	88.1	
≥ 1206	55.4	68.6	71.4	74. 1	83.5	84.2	85.7				89.3				91.7	
≥ 1000	56.9	70.7	73.5	76.4	86.8	87.7	89.2		92.3		1	93.7	94.2			96.6
1	56.9	73.9	73.8	76.9	87.3	88.2	89.8	91.7	93.0					96.D		
≥ 900 ≥ 800	56.9	70.9	73.8	76.9	87.5	88.3	89.9	91.9	93.3		94.0	- 1		96.3		
<del></del>	56.9	70.9	73.8	76.9	87.5	88.3	90.1	92.2		94.5		95.2		96.8		
≥ 700 ≥ 600	56.9	70.9	f	76.9	87.5	88.3		1	- 1	- 1	1					
			73.8			-	90.1				94.5			96.8		
≥ 500	56.9	71.1	73.9	77.0		88.4	90.2		94.0		94.8	95.4		97.0		
≥ 400	56.9	71.1	73.9			88.4	90.2	92.4			94.8	95.4		97.0		
> 300	56.9	71.1	74.0	77.1	87.7		90.3		95.4	;	96.1	96.8		98.4	1	
2 200	56.9	71.1		77.1	87.7		90.3		1					98.4		
≥ 100	56.9	71.1		77.1		i	(		95.4		96.1	1		98.4		
2 0	56.9	71.1	74.0	77.1	87.7	38.6	90.3	93.4	95.4	96.1	96.1	96.8	97.3	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM

GLOBAL CLIMATOLOGY BRANCHUS AFETAC AIR HEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 - 140 RAMSTEIN AB DL

73-81

....

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0300-0500

CETHNOT FEET		VISIBLUTE STATUTE MILES														
	≥10	≥6	≥ :	≥ 4	<u></u>	≥2:	2.	≥1.	≥`.	≥'	٤.	2 .		25 6	2 .	2.7
NO CEILING ≥ 20000	17.1 20.7	21.3	22.7		24.8 30.4	24.9 30.8		27.1 33.5		27.2 34.0		27.2 34.2	27.3 34.3	28.1 35.3	28.3 35.5	29.8 37.0
. ≥ '8000 ≥ 5000	20.7	26.2	27.7	27.9	30.4	30.8 30.8	32.5	33.5	33.8 33.8	34.0 34.0	34.2	34.2	34.3	35.3 35.3	35.5	37.0 37.0
≥ 14000 ≥ 12000	20.1		27.7	27.9	30.4	30.8 31.0	32.5 32.8	33.5 33.8	33.8 34.0	34.0	34.2	34.2	34.3	35.3 35.5	35.5 35.8	37.0 37.3
> 10000 > 10000	21.2		28.3	28.6	31.2	31.5	33.4	34.3	34.5	34.8	34.9 35.0	34.9 35.0	35.0 35.2	36.2	36.3 36.4	37.8 37.9
2 8000 2 7000	22.7	28.9	1	30.8 31.5		33.8 34.5	35.5 36.3		37.0 37.8	37.7	37.8 38.5	37.8 38.5	37.9	39.0 39.8	39.4	41.1
2 6000 2 5000	23.1	32.8	31.3	31.7	38 • Q	34.7		41.8		42.6	42.8	38.8		44.3	44.6	42.1
2 4500 2 4000	31.5		37.8 42.8	38.4 43.5	47.8			52.5	53.0	53.9	54.0		54.2	55.6	56.0	
2 3500 2 3000	33.8 36.9	46.8	49.5	50.4	i	51.2 56.1		60.Z		56.7		56.9	62.3	58.7 63.7	64.2	66.0
≥ 2500 ≥ <b>2</b> 000	40.4	55.6	53.9 58.5	59.9	66.1	67.3		71.8	72.4	73.6		73.7	74.2	75.6	70.1	71.8
2 1800 2 1500	48.6	60.6	59.7 64.1	65.8	73.3	74.6	71.4	79.3	79.9	81.2	81.3	81.3	75.6 81.8	76.9 83.2	83.7	
≥ 1200 ≥ 1000	53 · 1 54 · 1	66.6	70.1	70.4	80.9	79.6 82.2	82.5	84.3		89.4	89.5		90.0	91.4	91.9	90.4
≥ 900	54 • 4 54 • 1	67.5	70.4	72.6	81.9	83.3	86.3	88.2	: - : 1	91.1		91.3	91.8	92.0	92.5	94.5
≥ 700 ≥ 600	54 • 7 54 • 7	67.6	71.1	73.2	82.0 82.3	83.4	87.9	90.4	91.3	1	92.8	92.8	93.4	94.9	95.4	96.5
≥ 500 ≥ 400	54 . 7 54 . 7	67.6 67.6		73.2 73.2	82.3 82.3	83.7	87.9 87.9	90.5	91.6	92.8 93.0	93.1	93.3	94.0	95.8	96.0	98.3
2 300	54.7	67.6	71.1	73.2	82.3	83.7	87.9	91.0	91.9	93.3	93.4	93.5	94.4	96.4	97.0	99.6
2 00	54.7	67.6			,				,	;					97.01	

TOTAL NUMBER OF OBSERVATIONS BUZ

USAF ETAC ...... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 (140

RAMSTEIN AB DL

73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING	VISIBILITY STATUTE MILES															
· FEE:	≥10	≥6	25	≥ 4	≥ 3	±2	2.2	ا ج	2 .	2 '	2 4	2 -	•			,
NO CEILING ≥ 20000	11.6	14.9	17.7 21.3		21.8		22.6 27.3		23.9	24.4 30.1	24.4	24.5 3D.7	24.9 31.1	25.4 31.7	26.1 32.6	26.7 33.2
≥ 18000 ≥ 16000	14.4	18.5				26.3 26.3	27.3 27.3	29.1 29.1		30.2 30.2	30.5 30.5	30.9 30.9	31.2 31.2	31.8 31.8	32.7	33.3 33.3
≥ 14000 ≥ 12000	14.4	18.9		22.4	26.5	26.7	27.3 27.7	29.6	30.0	30.7	31.0	31.3	31 · 2 31 · 7	31.8	32.7	33.3 33.8
≥ 19000 ≥ 9000	15.7		22.8		28.0	28.3	28.9	31.3	32.0	32.8		33.4		33.7 34.5	35.4	35.1 36.0
≥ 8000 ≥ 7000	16.7	21.6	25.1	26.5	31.1	31.5	31.7 32.8	35.0	36.0	37.1					38.4	40.5
± 6000 ≥ 5000	17.9	25.2	28.2		34.8	35.1	33.7 36.6	38.9	40.0			38.5	42.7		44.5	41.3
≥ 4500 ≥ 4000	22.7 25.6 27.7	28.8 32.3	32.1 36.2 39.1	33.6 38.0	44.1			49.5	51.0	52.4	47.2 52.9 56.2	47.7 53.5 56.8	48.4 54.3	49.6 55.6 58.9	56.8	51.6 57.6
≥ 3500 ≥ 3000	29.3	37.1	41.6	43.5	50.1	50.7	- 1	55.6	57.1	58.7		59.8	60.5	61.8	63.0	63.9
≥ 2500 ≥ 2000 ≥ 1800	35.4 36.0	44.3	49.1	51.8	60.1	61.1	64-1	67.2	68.7	70.4	70.9	71.5	72.2	73.5 75.1	74.8	75.6 77.2
≥ 1500	38.2 43.4	48.2	53.5 56.6	56.3	66.3	67.3	70.6	73.9	75.4	77.4	77.9	78.5	79.3		82.0	82.8
≥ 1000 900	41.5	52.4 52.9	58.8	61.5	73.9			81.1		85.5	1	86.6	87.3	88.8	90.0	
≥ 800 ≥ 700	42.2	53.4	59.1 59.3	62.5	74.6		79.4			87.8				91.3		93.5
2 500	42.2	53.4	59.3	62.6	75.2	76.5	80.9	85.5	87.4	90.4	90.9	92.0	92.9	94.5	95.7	
2 300	42.2	53.4	59.3	62.6	75.2	76.5	,	85.7	87.9	90.9	91.5	92.6	93.8	95.4	96.7	98.3
2 700	42.2	53.4	59.3	62.6	75.2 75.2	76.5		85.7	87.9	90.9	91.5		93.9			99.9
	42.2	33.4	59.3	04.6	13.2	10.5	81.1	03.7	5/.9	70.9	71.5	72.1	¥4.0	A2.0	A1.51	,00.0

820 TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC 10164 U-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL.PAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS -----

0900-1100

20 26 25 24 23 42 27 2 13.1 17.3 19.3 21.4 27.1 27.6 28.7 29.5 30.6 31.5 31.5 31.7 31.8 31.8 31.8 31.8 22.4 29.2 32.7 35.2 43.1 43.7 45.4 47.1 49.0 51.0 51.3 51.8 52.0 52.1 52.2 25.5 32.6 36.7 39.2 47.3 47.9 49.6 51.3 53.2 55.3 55.5 56.0 56.3 56.4 56.4 56.5 29.5 37.5 42.5 45.6 53.8 54.4 56.1 57.8 59.8 61.8 62.1 62.6 62.8 62.9 62.9 63.1 31.0 39.4 44.6 47.9 57.0 57.6 59.3 61.0 62.9 65.2 65.7 66.1 66.1 66.1 66.2 35.4 44.6 50.7 54.3 64.6 65.2 67.1 68.8 70.7 73.0 73.3 73.8 74.0 74.1 74.1 74.2 36.0 45.6 51.9 55.8 66.5 67.1 68.9 70.6 72.5 75.0 75.2 75.7 75.9 76.1 76.1 76.2 38.3 49.3 55.8 60.4 72.9 73.5 75.3 77.2 79.3 82.0 82.3 82.7 93.0 83.1 83.1 83.2 39.2 51.0 57.5 62.3 75.8 76.4 78.3 80.3 82.5 85.3 85.5 86.0 86.3 66.4 86.4 86.5 39.9 52.1 58.6 63.4 77.8 78.6 80.9 83.4 85.7 89.2 89.4 90.0 90.3 90.4 90.4 90.5 40.0 52.4 58.9 63.9 79.0 79.8 82.4 85.2 87.5 91.1 91.4 92.0 92.2 92.5 92.5 92.6 40.0 52.5 59.2 64.2 79.3 80.3 83.2 86.1 88.5 92.3 92.6 93.2 93.6 94.0 94.0 94.2 40.0 52.9 59.5 64.5 80.3 81.3 84.4 87.6 90.2 94.3 94.7 95.3 95.6 96.1 96.1 96.2 St. x 40.0 52.9 59.5 64.5 80.3 81.3 84.7 87.8 90.6 95.3 95.6 96.2 96.6 97.1 97.1 97.2 90.0 52.9 59.5 64.5 80.3 81.5 84.9 88.1 90.9 95.7 96.1 96.7 97.1 97.6 97.6 97.7 40.0 52.9 59.5 64.5 80.3 81.5 84.9 88.3 91.1 96.2 96.6 97.2 97.7 98.2 98.2 98.3 406 40.0 52.9 59.5 64.5 80.3 81.5 84.9 88.3 91.3 96.7 97.2 97.9 98.4 99.0 99.0 99.1 40.0 52.9 59.5 64.5 80.3 81.5 84.9 88.3 91.3 97.1 97.6 98.3 98.8 99.4 99.4 99.8 40.0 52.9 59.5 64.5 80.3 81.5 84.9 88.3 91.3 97.1 97.6 98.3 98.8 99.5 99.5 99.8 40.0 52.9 59.5 64.5 80.3 81.5 84.9 88.3 91.3 97.1 97.6 98.3 98.8 99.5 99.5100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECRAL CLIMATOLOGY BRANCH USAFETAC ATE MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 (147 RAMSTEIN AB DL

73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

F. 1844		S Bry 1 S1A1 15 My 8 S														
.66.	≥10	≥ 6	≥ 5	2.4	<b>≩</b> 3	2.2	2.7	₹.	≥ .	-			÷	25 5	٠.	٠,
NO FERING	13.9	19.0	2 3.0	20.6	22.8	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
2.25000							32.0									
± 18000	20.6	25.9	28.1	29.2	32.3	32.3	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
2 5000							32.8									
≥ 4000							33.6									33.7
2.00%							34.5									34.6
in in in it.							36.3									
≥ <b>9</b> -( <b>H</b> ()-]							36.9									
≥ 8000							39.9									
≥ 7°40c							40.5									
≥ 5:4K,							40.8									
5000							42.9									
> 45 K			- ,				46.9									
							50.6									
2 350C							58.4									
3000							69.4								70.6	70.6
≥ 2500		- 1				_	74.7		i							
≥ 2000			- 1				80.6									81.9
≥ '80k		-1					82.4			-					_	
± 50k							88.3									
± 120€	)	- 1	1		,		92.0		,							
2 1000		i	1				93.4									
900	1						93.7		1							
≥ 800							94.8									
⇒ 700 ≥ 500							95.1									
k		- 1					95.3									
: 500 ≥ 400							95.3									
	56.4						95.4									
± 300 ± 200	56.4						95.4	_		-						
<del></del>	1		1			-:	95.4	,								
⊍⊍ جي. ن خ							95.4									
	30.4	/ 3.5	10.2	92.3	73.0	7703	7364	7101	70 • U	77.4	77.5	77.7		100.01		to U + U

TOTAL NUMBER OF OBSERVATIONS \_\_\_

GLUSAL CLIMATOLOGY BRANCH USAFETAC A: " \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 140 RAMSTEIN AB DL

2

73-81

M A D

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

210 26 25 74 € 12.47 33.5 41.4 43.9 45.0 47.4 47.5 47.8 47.8 47.8 47.8 47.8 47.8 47.9 47.9 47.9 47.9 47.9 47.9 35.1 43.3 45.8 47.0 49.0 49.9 49.9 49.9 49.9 49.9 50.1 50.1 50.1 50.1 50.1 37.5 47.3 47.9 51.4 54.3 54.4 54.8 54.8 54.8 54.8 54.8 54.9 54.9 54.9 54.9 41.3 52.1 54.9 56.3 59.5 59.6 60.0 60.1 60.1 60.1 60.1 60.1 60.2 60.2 60.2 60.2 2 4 20 mg/ 64.1 82.1 86.0 89.1 97.0 97.1 98.1 98.6 98.7 98.8 98.8 98.9 99.0 99.3 99.3 99.3 46 64.1 82.1 86.0 89.1 97.0 97.1 98.2 98.7 98.8 99.2 99.3 99.6100.0100.0100.0 54.1 82.1 86.0 89.1 97.0 97.1 98.2 98.7 98.8 99.2 99.3 99.6100.0100.0100.0 64.1 82.1 86.0 89.1 97.0 97.1 98.2 98.7 98.8 99.2 99.3 99.6100.0100.0100.0 54.1 82.1 86.0 89.1 97.0 97.1 98.2 98.7 98.8 99.2 99.3 99.6100.0100.0100.0 64.1 82.1 86.0 89.1 97.0 97.1 98.2 98.7 98.8 99.2 99.2 99.3 99.6100.0100.0100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 82"

USAF ETAC 0-14-5 /OL A MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

6LIRAL CLIMATOLOGY BRANCH :: AFETAC AE AEATHER SERVICEZMAC

#### CEILING VERSUS VISIBILITY

1 140 RAMSTEIN AB OL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

TOTAL NUMBER OF OBSERVATIONS 824

USAF ETAC - 0-14-5 OL A MENIOUS EDIT AN OF THIS FORM ARE ORSOLETE

GLIBAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 -147 RAMSTEIN AS DL

73-81

MA?

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LISTED TO STUTIED WIFE

2100-2300

24.1 30.7 31.5 32.0 34.5 34.7 35.1 35.2 35.8 35.8 36.2 36.3 36.3 36.3 36.3 28.4 36.0 36.8 37.3 40.8 41.4 41.9 42.0 42.8 42.8 42.8 43.1 43.3 43.4 43.4 23.4 23.4 36.1 37.1 37.8 40.8 41.3 41.9 42.4 42.5 43.3 43.3 43.3 43.6 43.8 43.9 43.9 28.4 36.1 37.3 37.8 47.8 41.3 41.9 42.4 42.5 43.3 43.3 43.3 43.6 43.8 43.9 43.9 25.4 36.1 37.1 37.8 41.8 41.3 41.9 42.4 42.5 43.3 43.3 43.6 43.6 43.6 43.6 28.7 36.5 37.3 38.2 41.2 41.7 42.3 42.8 42.9 43.6 43.6 43.6 44.0 44.1 44.3 44.3 1. 38 30.8 39.1 40.4 41.3 44.4 44.9 45.5 46.0 46.1 46.8 46.8 45.8 47.2 47.3 47.5 47.5 31.0 40.0 41.4 42.3 45.4 45.9 46.5 47.0 47.1 47.8 47.8 47.8 48.2 48.3 48.5 48.5 32.9 42.3 43.6 44.5 47.8 48.5 48.5 48.5 48.5 8000 33.1 42.9 44.3 45.1 48.5 49.1 49.7 50.3 50.4 51.2 51.2 51.2 51.5 51.7 51.8 51.3 33.3 43.4 44.7 45.6 48.9 49.6 50.2 50.8 50.9 51.7 51.7 51.7 52.0 52.2 52.3 52.3 35.8 47.5 48.8 49.7 53.3 53.9 54.5 55.1 55.3 56.0 56.0 56.0 56.4 56.5 56.6 56.6 56.6 39.9 53.0 55.0 56.4 60.9 61.6 62.2 62.8 62.9 63.7 63.7 63.7 64.7 64.7 64.7 64.3 64.3 42.3 55.9 58.4 59.3 64.0 64.6 65.8 66.5 66.6 67.4 67.4 67.4 67.7 67.9 68.0 68.0 49.6 64.6 67.1 68.9 74.7 75.3 76.4 77.3 77.4 78.2 78.2 78.2 78.5 73.7 78.8 78.9 78.9 78.9 51.7 66.7 69.3 71.6 78.0 78.6 79.7 80.6 81.1 82.0 82.0 82.3 82.3 82.4 52.6 82.6 53.9 69.2 71.9 74.2 81.3 82.0 83.3 84.2 84.7 85.7 85.7 85.7 86.0 86.2 86.3 86.3 54.0 59.7 72.6 74.8 82.0 82.7 84.1 84.9 85.4 86.4 86.4 86.4 86.8 86.9 87.0 87.0 2 2006 56.6 73.1 76.3 78.7 86.4 87.1 88.5 89.4 89.9 90.9 90.9 90.9 91.2 91.3 91.5 91.5 58.1 74.8 78.0 80.6 88.6 89.4 90.7 92.0 92.5 93.4 93.4 93.4 93.8 93.9 94.1 94.1 58.6 76.5 80.d 82.9 92.0 92.8 94.4 96.2 97.2 98.3 98.4 98.4 98.8 98.9 99.0 99.0 \* 58.6 76.5 80.0 82.9 92.0 92.8 94.4 96.3 97.4 98.6 98.8 98.8 99.1 99.4 99.5 99.5 200 58.6 76.5 80.0 82.9 92.0 92.8 94.4 96.3 97.4 98.9 99.0 99.0 99.4 99.6 99.9 99.9 58.6 76.5 87.0 82.9 92.0 92.8 94.4 96.3 97.4 98.9 99.0 99.6 99.4 99.8130.0100.0 58.4 76.5 80.0 82.9 92.0 92.8 94.4 96.3 97.4 98.9 99.0 99.0 99.4 99.8100.0100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_\_\_8

USAF ETAC 0-14-5 OL A - MELIOUS EDITIONS OF THIS ROWN ARE DISCLET

SE SAL CLIMATOLOGY BRANCH USAFETAC ATE AFATHER SERVICE/MAC

RAMSTEIN AB DL

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

ALL

LISBORY STATUTE MUES 15.6 21.4 22.5 23.2 25.7 25.8 26.3 26.7 26.8 27.1 27.1 27.1 27.3 27.6 27.7 28.1 (60x) 21.4 27.4 28.9 29.7 32.9 33.2 34.0 34.5 34.8 35.2 35.3 35.4 35.6 35.9 36.1 36.4 (80x) 21.4 27.7 29.1 30.0 33.2 33.5 34.3 34.9 35.2 35.6 35.6 35.7 35.9 36.2 36.4 36.8 (60x) 21.8 27.7 29.2 30.1 33.3 33.5 34.3 34.9 35.2 35.6 35.7 35.8 35.9 36.3 36.4 36.8 (40x) 22.1 25.1 29.6 30.5 33.7 34.0 34.8 35.3 35.6 36.1 36.1 36.2 36.4 36.7 36.9 37.3 : 2000C 1000 22.5 28.6 37.2 31.2 34.4 34.6 35.4 36.0 36.3 36.7 36.8 36.9 37.1 37.4 37.6 37.9 24.1 30.5 32.2 33.2 36.6 36.8 37.7 38.3 38.6 39.1 39.1 39.2 39.4 39.7 39.9 40.3 2 10,8% ≥ 900. 24.3 31.0 32.8 33.9 37.2 37.5 38.3 38.9 39.3 39.8 39.8 39.9 40.1 40.5 40.6 41.0 26.1 33.2 35.4 36.5 40.2 40.6 41.5 42.2 42.6 43.2 43.2 43.3 43.5 43.9 44.1 44.5 26.7 34.0 36.2 37.4 41.2 41.6 42.5 43.2 43.7 44.3 44.5 44.7 45.1 45.2 45.6 27.0 34.5 36.7 37.9 41.8 42.1 43.0 43.8 44.3 44.9 44.9 45.0 45.2 45.6 45.8 46.2 28.7 36.9 39.1 40.4 44.5 44.9 45.9 45.7 47.1 47.8 47.8 48.0 48.2 48.7 48.9 49.3 31.7 40.8 43.4 44.9 49.8 50.1 51.3 52.2 52.8 53.5 53.5 53.7 53.9 54.4 54.6 55.1 34.5 44.4 47.1 48.7 53.9 54.3 55.6 56.6 57.2 56.0 58.1 58.3 58.6 59.1 59.3 59.7 38.2 49.0 51.9 53.6 59.1 59.5 60.8 61.9 62.5 63.3 63.5 63.6 63.9 64.4 64.7 65.1 42.8 54.7 58.3 60.0 66.0 66.4 67.7 68.9 69.5 70.3 70.5 70.6 70.9 71.4 71.7 72.1 45.1 57.7 61.2 63.5 70.0 70.5 71.9 73.0 73.7 74.5 74.7 74.8 75.1 75.6 75.9 76.3 ± 400€ 2 3500 2 3000 48.3 61.7 65.5 68.1 75.5 76.0 77.6 78.8 79.5 80.4 80.6 80.8 81.1 81.6 81.8 82.3 48.9 62.6 66.4 69.2 76.7 77.3 78.9 80.1 80.8 81.8 81.9 82.1 82.4 82.9 83.2 83.6 ≥ 200G ≥ 1800 51.3 65.7 69.8 72.9 81.5 82.1 83.9 85.1 85.9 87.0 87.1 87.3 87.6 88.2 88.4 88.8 53.2 68.1 72.3 75.6 88.7 85.3 87.0 88.4 89.3 90.4 90.5 90.7 91.0 91.6 91.8 92.3 53.8 69.0 73.3 76.7 86.6 87.3 89.2 90.7 91.7 92.9 93.0 93.3 93.6 94.1 94.4 94.9 95.2 95.7 54.0 69.2 73.5 77.0 87.1 87.8 89.8 91.4 92.4 93.7 93.8 94.1 94.4 94.9 95.2 95.7 54.1 69.4 73.8 77.3 87.6 88.3 90.5 92.2 93.2 94.6 94.8 95.1 95.4 96.0 96.3 96.9 54.1 69.5 73.9 77.4 87.8 88.6 90.8 92.8 93.9 95.4 95.5 95.8 96.2 96.8 97.1 97.6 54.1 69.5 73.9 77.4 87.9 88.7 91.1 93.1 94.3 95.9 96.1 96.4 96.7 97.4 97.6 98.2 54.1 69.6 73.9 77.4 87.9 88.8 91.2 93.3 94.5 96.2 96.3 96.7 97.1 97.8 98.1 98.6 ≥ 800 ≥ 700 ≥ 600 54.1 69.6 73.9 77.4 87.9 88.8 91.2 93.4 94.6 96.4 96.6 96.9 97.4 98.0 98.3 98.8 54.1 69.6 74.0 77.4 88.0 88.8 91.2 93.6 94.9 96.7 96.9 97.3 97.8 98.5 98.8 99.5 54.1 69.6 74.0 77.4 88.0 88.8 91.2 93.6 94.9 96.8 97.0 97.4 97.9 98.6 99.0 99.8 54.1 69.6 74.0 77.4 88.0 88.8 91.2 93.6 94.9 96.8 97.0 97.4 97.9 98.7 99.1 00.0 ± 300 ± 200 54.1 69.6 74.0 77.4 88.0 88.8 91.2 93.6 94.9 96.8 97.0 97.4 97.9 98.7 99.1100.0

73-81

TOTAL NUMBER OF OBSERVATIONS 65

USAF ETAC - 4 0-14-5 (OL A) Merious entrons or this form are obsolete

SLUBAL CLIMATOLOGY BRANCH SAFETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB DL (प्रश्नित्राच्याः --TORTON NAME 73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

3000-0200

25 8 1, 2 NO (80%) 35.7 45.9 48.0 48.4 50.3 50.6 50.9 50.9 51.1 51.6 51.7 51.7 52.7 52.0 52.1 52.3 39.9 53.8 53.2 53.6 55.5 55.9 56.5 56.6 56.7 57.3 57.4 57.4 57.6 57.6 57.9 58.3 39.6 51.1 53.5 53.8 55.7 56.1 56.7 56.9 57.0 57.5 57.6 57.6 57.9 57.9 58.1 58.5 ≥ 18 av. 39.6 51.1 53.5 53.8 55.7 56.1 56.7 56.9 57.0 57.5 57.6 57.6 57.9 57.9 58.1 58.5 39.6 51.2 53.6 54.0 55.9 56.2 56.9 57.0 57.6 57.6 57.6 57.9 58.0 58.3 58.6 40.9 53.1 55.9 55.9 57.8 58.1 58.5 40.9 53.1 55.9 56.2 56.9 57.0 57.1 57.6 57.8 57.8 58.0 58.0 58.3 58.6 40.9 53.1 55.9 55.9 57.8 58.1 58.8 58.9 59.0 59.5 59.6 59.6 59.9 59.9 60.2 60.5 41.1 53.5 56.0 56.4 58.3 58.6 59.3 59.4 59.5 60.0 60.2 60.2 60.4 60.4 60.7 61.0 41.7 54.7 57.5 58.4 60.0 60.4 61.0 61.7 61.9 62.5 62.7 62.7 62.9 63.1 63.3 63.8 42.1 55.2 58.0 58.6 60.5 60.9 61.5 62.2 62.4 63.1 63.2 63.2 63.4 63.6 63.8 64.3 ≥ 9-00r 42.1 55.6 58.5 59.1 61.0 61.4 62.0 62.7 62.9 63.6 63.7 63.7 63.7 64.5 64.5 64.8 45.1 58.9 61.8 62.4 64.4 64.8 65.4 66.1 66.3 67.0 67.1 67.1 67.3 67.5 67.7 68.2
48.0 43.9 63.8 67.3 68.2 70.4 70.7 71.4 72.0 72.3 72.9 73.0 73.0 73.3 73.5 73.8 74.3
52.2 67.8 71.5 72.4 74.5 74.9 75.5 76.2 76.4 77.2 77.3 77.3 77.6 77.8 78.1 78.6
350 55.2 71.6 75.7 76.7 79.7 80.1 80.7 81.3 81.6 82.3 82.5 82.5 82.7 83.0 53.2 83.7 2 300 56.9 73.8 77.9 79.2 82.2 82.6 83.2 83.9 84.1 85.0 85.1 85.1 85.4 85.6 85.9 86.4 2500 57.4 74.9 78.7 80.2 83.2 83.6 84.4 85.0 85.2 86.1 86.3 86.3 86.5 86.8 87.0 87.5 2000 57.9 75.9 80.1 81.6 85.1 85.5 86.3 86.9 87.1 88.0 88.1 88.1 88.4 88.7 88.9 89.4 58.3 76.3 80.5 82.1 85.6 86.0 86.9 87.5 87.8 88.7 88.8 88.6 89.0 89.4 89.7 90.2 59.5 78.4 82.7 84.4 88.1 88.5 89.4 90.0 90.5 91.4 91.6 91.6 91.8 92.4 92.7 93.2 1500 59.8 78.9 83.4 85.2 87.3 89.7 90.7 91.3 91.9 92.8 92.9 92.9 93.2 93.8 94.1 94.6 1.20x 60.2 79.4 83.9 86.0 90.2 90.5 91.7 92.3 92.9 94.1 94.3 94.5 94.6 95.2 95.5 96.3 60.3 79.6 84.1 86.1 90.3 90.7 91.8 92.4 93.1 94.5 94.7 94.7 95.0 95.6 95.8 96.3 60.4 79.8 84.4 86.5 90.7 91.0 92.2 92.8 93.4 94.8 95.1 95.1 95.3 96.0 96.2 96.7 60.4 79.8 84.4 86.5 90.7 91.0 92.6 93.6 94.2 95.6 95.8 95.8 96.1 96.7 97.0 97.6 60.4 79.8 84.4 86.5 90.7 91.0 92.7 93.7 94.3 95.7 96.0 96.0 96.2 96.8 97.1 97.9 60.4 79.8 84.4 86.5 90.7 91.0 92.7 93.9 94.6 96.0 96.2 96.2 96.5 97.1 97.4 98.1 2 500 i 60.4 79.8 84.4 86.5 90.8 91.2 92.8 94.3 95.0 96.5 96.6 96.8 97.7 98.1 98.9 60.4 79.8 84.4 86.5 90.9 91.3 92.9 94.8 95.7 97.1 97.4 97.4 97.6 98.5 98.9 99.7 63.4 79.8 84.4 86.5 90.9 91.3 92.9 94.8 95.7 97.1 97.4 97.4 97.6 98.5 98.9 99.7 53.4 79.8 84.4 86.5 90.9 91.3 92.9 94.8 95.7 97.1 97.4 97.4 97.6 98.5 98.9 99.7 60.4 79.8 84.4 86.5 90.9 91.3 92.9 94.8 95.7 97.1 97.4 97.4 97.6 98.5 99.0100.0

TOTAL NUMBER OF OBSERVATIONS ...

USAF ETAC . ... 0-14-5 (OL A MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLURAL CLIMATOLOGY BRANCH ATE MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-61

APR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0330-0500

FILMS								5	v*. 'E ∨ .f							
., c	. <i>*</i> *	≥ ¢	≥ ٩	24	23	2.2	· .	<u>.</u>	2	2	2 4	2.	:	* * *		··
40 (EIIA)	58.4	38.7	41.2	42.1	45.6	45.7	46.6	46.8	46.8	47.6	47.6	47.6	47.8	48.1	48.2	48.6
= 500xx;	31.3	41.3	44.4	45.3	48.9	49.1	50.2	50.4	50.4	51.4	51.4	51.4	51.7	52.3	52.4	52.9
≥ 18000	31.3	41.6	44.7	45.6	49.2	49.3	50.4	50.7	50.7	51.7	51.8	51.8	52.1	52.7	52.8	53.3
≥ 18000	31.3	41.6	44.7	45.6	49.2	49.3	50.4	50.7	50.7	51.7	51.8	51.8	52.1	52.7	52.8	53.3
≥ 4000	31.3	41.7	44.8	45.7	49.3	49.4	50.6	50.8	50.8	51.8	51.9	51.9	52.2	52.8	52.9	
≥ 2004 	21.0	41.9	45.1	45.9	49.6	49.7	50.B	51.1	51.1	52.1	52.2	52.2	52.4	53.1	53.2	53.7
≥ 10 <b>0</b> 00 ≥ 9000	32.44	43.0	40.7	47.8	51.4	51.0	52 · T	52.9	52.9	53.9	54.1	54.1	54.3	54.9	55.1	55.6
	70 7	94.2	47.4	48.3	21.9	52.1	55.Z	55.4	53.4	54.4	54.6	54.6	54.8	55.4	55.6	56.1
≥ 8000 ≥ 700c	34.0	45.4	47.1	49.9	24 • 1	54.3	33.4	56.1	56.1	57.3	57.4	57.6	57.8	58.4	58.6	59.1
> 6000	34.7	45.0	40.4	50.4	54.Y	54.5	54 1	20.1	20.1	57.3 57.9	5/04	5/.5	57.8	58.6	58.7	59.2
2 5000	35.8	48.6	52.1	53.1	57.8	58.1	50. t	60.1	60.7	61.7	20.1	43 0	42.3	57.6	59.3	59.6
+	38.5	52.7	55.8	57.1	62.6	62.8	64.1	64 . R	48.1	66.6	64.7	64 0	47 1	63.5	63.1	63.6
± 4000	41.7	56.2	60.3	61.7	67.2	67.5	69.0	69.7	70.0	71.6	71.7	72.0	72.2	77.1	73.2	74.0
500	43.7	58.8	63.0	64.7	71.0	71.2	72.8	73.6	73.8	75.6	75.7	76.0	76.2	77.1	77.2	70.7
3000	47.6	64.3	68.7	70.6	77.3	77.6	79.2	80.0	80.2	82.0	82.1	82.4	82.6	83.5		84.4
2500	48.3	65.2	69.8	71.7	78.8	79.1	80.7	81.5	81.7	83.5	83.6	83.9	84.1	85.0	85.1	85.9
2.000	49.3	67.d	71.7	73.6	81.0	81.2	83.0	83.7	84.0	85.7	85.9	86.1	86.5	87.4	87.5	98.2
. ≥ 1800	49.7	67.3	72.1	74.0	81.5	81.7	83.5	84.2	84.5	86.2	86.4	86.6	87.0	87.9	88.0	88.7
- ₫ 1500	50.8	69.3	74.5	76.6	84.4	84.7	86.5	87.2	87.5	89.2	89.4	89.6	90.0	90.9	91.0	91.7
≥ 1200	51.4	70.2	75.3	77.7	86.1	86.5	88.2	89.0	89.4	91.1	91.2	91.5	91.9	92.7	92.9	93.6
≥ :000	52.2	71.2	76.3	78.8	87.6	88.0	89.7	90.5	90.9	92.6	92.7	93.0	93.4	94.2	94.4	95.1
ž 900	52 • 3	71.3	76.5	79.0	87.7	88.1	89.9	90.6	91.2	93.0	93.1	93.4	93.7	94.9	95.1	95.9
≥ 800	52.3	71.5	76.6	79.1	88.0	88.4	90.2	91.0	91.6	93.4	93.6	93.9	94.2	95.4	95.6	96.4
700	52.3	/1.5	76.8	79.1	88.1	88.5	90.4	91.5	92.1	94.0	94.4	94.6	95.0	96.1	96.4	97.1
600	52.3	71.5	70.0	79.1	88.1	88.5	90.6	91.7	92.4	94.5	94.9	95.2	95.6	96.7	97.C	97.7
± 500 ± 400	52.3	71.5	76 6	79.1	92.1	88.5	90.7	72.1	92.7	94.9	95.2	95.6	96.0	97.1	97.4	98.1
	52.3	71.5	75.5	70.1	00.1	80 - 34	71.U	92.4	93.1	95.2	95.6	96.2	96.6	97.9	98.1	98.9
± 300 ± 200	52.3	71.5	76.4	79.1	RR.1	20.5	01.1	92.4	73.5	95.9	70.Z	70.7	91.2	78.5	98.7	99.9
100	52.3	71.5	76.6	79.1	BR. T	RRA	91.1	97.6	01.E	95.9	70.4	7/04	71.4	75.0	78.71	00 0
2 1	52.3	71.5	76.6	79.1	88.1	88.5	91.1	92.6	93.5	95.9	96.4	97.0	97.4	98.6	98.91	0.00
													<del>-</del>	<del></del>		

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC - NO 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECHAL CLIMATOLOGY BRANCH OF AFETAC AID WEATHER SERVICE/MAC

2

O

#### CEILING VERSUS VISIBILITY

1 141 RAMSTEIN AB DL

73-81

APR UTITE

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CVS 41 THE KIME IN AS

G600-0810

50 26 25 1 24 00 22 20 20 14.7 21.8 24.9 26.5 34.1 34.4 35.7 36.9 37.2 38.3 38.3 38.4 36.4 38.8 39.0 39.3 17.8 25.8 29.1 30.6 38.8 39.2 40.6 41.9 42.1 43.5 43.6 43.7 43.7 44.4 44.6 45.0 28.8 18.1 26.1 29.6 31.2 39.8 39.8 41.3 42.5 42.8 44.1 44.2 44.4 44.4 45.0 45.2 45.6 18.1 26.4 29.9 31.5 39.7 40.0 41.5 42.8 43.0 44.4 44.5 44.6 44.6 45.2 45.5 46.0 200 30.1 26.5 33.5 31.6 39.8 40.1 41.6 42.9 43.1 44.5 44.6 44.7 44.7 45.4 45.6 46.1 18.3 26.8 30.2 31.8 40.0 40.4 41.9 43.1 43.4 44.7 44.9 45.0 45.0 45.6 45.8 46.3 7,00 19-8 28-3 32-0 33-6 42-1 42-5 44-1 45-5 45-7 47-2 47-3 47-5 47-5 48-1 48-3 48-6 20.1 28.5 32.2 33.8 42.4 42.8 44.5 45.8 46.1 47.6 47.7 47.8 47.8 48.5 48.7 49.2 21.7 31.2 35.4 37.2 46.5 46.8 48.6 50.1 50.3 52.3 52.5 52.9 52.9 53.7 54.5 54.5 . ≥ 910k 22.2 31.8 36.1 37.8 47.2 47.6 49.4 50.9 51.2 53.2 53.4 53.8 53.8 54.5 54.9 55.4 22.2 32.1 36.4 38.2 47.7 48.1 50.1 51.5 51.8 53.8 54.0 54.4 54.4 55.1 55.5 56.3 23.9 33.8 38.5 40.1 50.4 50.8 52.8 54.6 54.9 57.1 57.4 57.7 57.7 58.5 58.9 59.4 24.5 36.6 42.1 43.9 54.4 55.0 57.2 59.2 59.5 61.8 62.1 62.5 62.5 63.2 63.6 64.1 26.9 39.8 45.5 47.2 58.6 59.2 61.5 63.6 63.8 66.7 66.9 67.3 67.3 68.2 68.8 69.3 28.5 42.4 48.2 50.1 61.5 62.1 64.4 66.7 66.9 69.8 70.0 70.4 70.4 71.3 71.9 72.5 31.5 46.2 52.7 54.5 66.5 67.2 69.8 72.1 72.4 75.5 75.7 76.1 76.1 77.0 77.6 78.2 32.3 47.8 54.4 56.3 68.9 69.5 72.2 74.6 74.8 77.9 78.2 78.6 78.6 79.4 80.0 80.7 33.5 50.6 57.4 59.5 72.7 73.4 76.2 78.6 78.8 81.9 82.2 82.5 82.5 83.5 84.1 84.8 34.1 51.2 58.1 60.2 73.5 74.1 77.0 79.3 79.6 82.7 82.9 83.3 83.3 84.3 84.9 85.5 34.4 52.3 60.0 62.2 76.3 77.0 80.2 82.5 82.8 85.9 86.1 86.5 86.5 87.5 88.1 88.7 34.7 52.8 60.7 63.2 77.9 78.6 82.2 84.5 84.8 88.0 88.2 88.6 88.6 89.6 90.2 90.8 · 1514 34.9 53.0 61.0 63.7 79.1 79.7 93.4 85.9 86.1 89.7 90.0 90.3 90.3 91.3 91.9 92.6 35.2 53.3 61.2 63.9 79.6 80.2 83.9 86.4 86.6 90.6 90.8 91.2 91.2 92.2 92.8 93.4 35.2 53.3 61.7 64.6 80.5 81.2 85.3 87.9 88.2 92.3 92.6 92.9 92.9 93.9 94.5 95.2 35.2 53.3 61.7 64.6 80.8 81.4 85.5 88.2 88.6 93.1 93.3 93.7 93.7 94.7 95.3 95.9 . Ora 704 35.2 53.3 61.7 64.6 87.9 81.5 85.6 88.4 88.7 93.2 93.4 93.8 93.8 94.8 95.4 96.0 35.2 53.3 61.7 64.8 80.9 81.5 85.7 88.5 88.8 93.4 93.8 94.2 94.4 95.5 96.2 97.0 500 35.2 53.3 61.7 64.6 80.9 81.5 85.7 88.5 88.8 93.9 94.7 94.7 94.9 96.0 96.7 97.5 35.2 53.3 61.7 64.4 80.9 81.5 85.7 88.6 89.0 94.2 94.5 94.9 95.3 96.4 97.0 98.4 35.2 53.3 61.7 64.4 80.9 81.5 85.7 88.6 89.0 94.2 94.5 94.9 95.3 96.5 97.1 99.0 ± 300 ± 200 35.2 53.3 61.7 64.8 80.9 81.5 85.7 88.6 89.0 94.2 94.5 94.9 95.4 96.7 97.5100.0 35.4 53.3 61.7 64.6 80.9 81.5 85.7 88.6 89.0 94.2 94.5 94.9 95.4 96.7 97.5100.0

TOTAL NUMBER OF OBSERVATIONS 80

USAF ETAC - 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC AT- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FILING							- 518	3-(1" - \"A	TITE MILE	`						
F1E*	2	≥ 5	≥ 5	<u>2</u> 4	2 0	22	±7	2	2	2	2 /	≥ .	.:	25 6	? .	- · · · · ·
NO TENING	19.8	26.5	28.1	30.2	34.2	34.4				35.D			35.1	35.1	35.1	35.1
.3 20000		31.3		35 • 6	40.5	40.8				41.5				41.7	41.7	
≥ 18000		31.6		36.1	41.0					42.0						7.7.2
≥ 1500k		31.8								42.3				42.4		42.5
≥ 1400€	23.6		34.2							42.6				42.9		43.0
2.120(4)	24.2	,	!				43.3				43.8	43.8		43.9	43.9	44.0
≥ 100×	25.2									45.0			-			45.2
≥ 9000 	25.3		1	-	- 1	1				45.1				45.2	45.2	
8000	26.5	35.7								48.1						48.3
2000										49.7						49.9
£ 60HX	27.8									50.3				-		
3 504X		- 1					1			53.2						
4500										56.5						
Z 4900 										61.7						
2 350€		51.7	-	i		_				68.1						_
3000										76.C						
≥ <b>25</b> 00 : ≥ <b>2</b> 000 !		1							- 1						-	
	47.7		68.6							85.C						
≥ 1800 - ≥ 1500	47.8	69.5	73.2							90.6						
·	49.9	77.3	74.4				1			92.6						
≥ 1296 ≥ 1000	50.4	71.0								96.0						
i	50.4	71.1	75.8	1	1					97.4				97.7		
. 900 ≥ 800	50.4	71.1	75.9		,				1	97.9		- 1				
,	50.4	71.1								98.6						
200° i	50.4	71.1		80.2				;		98.6	-		-	-	98.9	
• · · · · · · · · · · · · · · · · · · ·	50.4	71.1		80.2					;	98.6	1				99.1	
± 500 1	50.4	71.1		80.2		1				98.9	i i				99.5	99.8
300	50.4	71.1								99.0					99.6	99.9
2 200	1	71.1								99.0				99.8		
100	50.4									99.0				99.8	99.8	00.0
2 00	50.4									99.0						
	1														<del>_</del>	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC NA 0-14-5 (OL A) PREVIOUS EDIT ONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1230-1499

NO FELINI	≥12 1	≥6														
NG CETING		_ ,	3.5	≥ 4	≥ 3	32	<i>≥</i> 2	2.	≥' .	2	2 4	ž ,	<i>:</i>	≥5 '6	: .	<b>2</b> ?
	25.2	27.4	27.8	28.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
± 20000	37.4	34.9	35.2	35.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2 18000	30.5	35.6	36.0	36.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
± 151.00	30.8	35.8	36.2	36.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
± '4600'	30.9	36.0	36.3	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.12000	31.0	36.7	37.1	37.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
- 10000°	32.4	38.2	38.6	39.2	40.2	40.2	40.2	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5
+ 900C	32.5	38.7	39.2	39.8	40.8	40.8	40.8	40.8	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2
8000	33.5	40.8	41.3	42.2	43.1	43.1	43.1	43.1	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5
(X(X)	34.4	41.7	42.3	43.1	44.1	44-1	44.1	44.1	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5
- 200C	34.5	42.0	42.8	43.6	44.6	44.6	44.6	44.6	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0
.00	36.2	44.1	44.9	45.7	46.7	46.7	46.7	46.7	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1
± 4500	38.4	47.7	48,5	49.3	50.3	50.4	50.6	50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9
± 4000	43.1	54.3	55.3	56.1	57.5	57.6	57.7	57.7	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1
2 3500	51.5	54.5	65.8	66.7	68.2	68.4	68.5	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3000	50.2	75.5	77.2	78.4	80.3	80.5	80 • 7	80.7	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2500	61.7	78.7	80.3	81.6	83.6	83.7	83.9	83.9	84 .	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2000	64.8	93.1	84.9	86.4	88.5	88.6	88.9	88.9	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	65.1	83.8	85.7	87.1	89.2	89.4	89.6	89.6	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2 500	67.9	87.1	89.2	90.9	93.2	93.3	93.7	93.7	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	68.4	87.8	90.0	91.6	94.3	94.4	94.8	94.9	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	68.6	88.5	91.2	92.8	95.9	96.0	97.0	°7.4	97.7	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	58.5	88.5	91.3	93.0	96.4	96.5	97.5	े <b>, जू</b>	98.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4
± 80€	68.6	88.5	91.3	93.0	96.4	96.5	97.5	97.9	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ /00	68.6	88.5	91.3	93.0	96.4	96.7	97.7	98.0	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 50%	68.6	88.5	91.3	93.0	96.4	96.7	97.7	98.0	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	68.6	88.5	91.3	93.4	96.4	96.7	97.7	98.1	98.91	00.01	.00.d	100.01	00 d	00.0	100.01	00.0
≥ 40C	68.6	88.5	91.3	93.d	96.4	96.7	97.7	98.1	98.91	100.01	00.0	100.d1	100.0	100.01	100.01	00.C
≥ 300	68.6	88.5	91.3	93.4	96.4	96.7	97.7	98.1	98.91	00.01	00.0	100.01	00.0	100.0	100.01	00.3
200	68.6	88.5	91.3	93.Q	96.4	96.7	97.7	98.1	98.91	100.di	00.d	100.01	100.0	100.0	100.01	00.0
	68.6	88.5	91.3	93.U	96.4	96.7	97.7	98. E	98.91	00.01	00.0	100.01	100 d	00.0	00.01	00.0
	68.6	88.5	91.3	93.d	96.4	96.7	97.7	98.1	98.91	00.01	00.0	100.01	100.0	100.0	100.01	00.0

809 TOTAL NUMBER OF OBSERVATIONS ...

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

-1 :14 ° RAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

EdNO							\$15!	B-L TV - 514	MILTE MILE	\$						
1EE	≥ 10	≥6 ;	25	≥ 4	23	22	27	≥ .	2 .	:	2 4		2	23.6	2.	≥3
NC CEUNS ± 29000	27.0	30.1								30.5 40.6						
≥ 18006		40.9			1					41.4						
- ≥ 16:00	35.2		41.2	41.2		41.4	_			41.6						41.6
≥ 14000	35.3	41.7	41.9	41.9	42.0	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 12000	35.3	42.1	42.2	42.2	42.3	42.3	42.5	42.5	42.5	42.6	42.5	42.6	42.6	42.6	42.6	42.6
≥ 10000	37.9	45.4	45.6	45.6	45.7	45.7	46.0	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 9000	38.9	46.5	46.7	46.7	46.8	46.8				47.4				47.4	47.4	47.4
≥ 8000	41.1	49.4	49.9			50.1			- 1		-			50.7	50.7	50.7
≥ 7000 	41.9	50.2	51.1	51.1	51.4					52.0					52.0	
> 5000:	42.3		51.9							52.7						
≥ 5000 	44.6	54.2								55.9						
≥ 4500	48.9				1		:			61.2				61.2	61.2	
2 4000	54.7				4					69.3						69.3
2 3500	61.1	73.8		-				1	,	76.7					76.7	
≥ 3000	67.8	82.7			1			1		85.9				85.9	85.9	85.9
≥ 2500 ≥ 2500	71.7	87.9	89.6				88.9						89.4		92.2	89.4
		1	1							92.7			92.2			
; ≥ 1800 ≥ 1500	73.3	90.7	- 1	94.4			:	!		97.4					97.4	
·		91.4			1				1	98.4			7 7 7 14			
≥ 1200 ≥ 1000	74.3			. 1		- 1				99.4						99.4
900	74.3				1	i				99.4		1				1 1 7
≥ 800	74.3	1	94.6		- 1				;	99.6					99.6	
700	74.3		94.6							99.6						
2 600	74.3	91.9	94.6	1					- ;	99.6						
≥ 500	74.3	91.9	94.6							100.0						
3 400	74.3	91.9	94.6	95.8	97.4	97.7	98.9	99.1	99.6	100.01	00.0	100.0	100.0	00.01	100.01	0.001
≥ ₹00	74.3	91.9	94.6	95.8	97.4	97.7	98.9	99.1	99.6	100.0	00.0	100.0	100.0	00.0	00.0	0.00
2 .00	74.3		94.6	95.8		97.7				100.01						
≥ 100	74.3	91.9	94.6	95.8	97.4	97.7	98.9	99.1	99.6	100.01	00.0	100.0	100.0	00.0	00.0	100.0
. ≥ 0	74.3	91.9	94.6	95.8	97.4	97.7	98.9	99.1	99.6	100.01	00.0	100.0	100.0	00.0	100.0	100.0

810 TOTAL NUMBER OF OBSERVATIONS \_\_

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 6140 RAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1830-2000

SETING	٠,						• 518	3. ** 5*A	T. TE MILE	ş						
FEET	≥ 10	≥ 6	> 5	. 4		≥; .	?.	2	2 .	≥	2 .	2 .	2	25 %	? .	2.
NO TEILI		8 40.5														
≥ 2000		6 51.2								53.6						
≥ 1800		1	52.2				-	-	_	54.2			-		54.2	
2 1600	, , , , ,	3 51.9			53.3					54.2			54.2			54.2
≥ :400		4 52.5		53.2		_	54.2			54.8		-	54.8		54.8	54.8
2 1200		1 1 1	53.5	53.8	54.6	54.6	54.8				55.4		55.4	55.4	55.4	55.4
≥ ,000	OC 48.	3 56.3	56.7	57.0	57.9	57.9	58.3	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1
> 200	00   48 • 1	9 57.3	57.7	58.Q	58.9	58.9	59.3	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1
300	52 ·	2 61.9	62.3	62.7	63.6	63.6	64.0	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8
z 700	53.0	6 63.2	64.1	64.6	65.4	65.4	65.8	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 600	54.	4 64.3	65.2	65.7	66.5	66.5	66.9	67.4	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 500	∞ 56 • l	8 66.7	67.5	68.0	68.9	68.9	69.3	69.8	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
	60.	7 71.9	72.8	73.3	74.2	74.2	74.6	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 400	_	7 75.4	76.7	77.2	78.6	78.6	79.0	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9
150	66.	79.8	81.4	81.9	83.6	83.6	84.1	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
300		2 84.1	85.8	86.3	88.0	88.1	88.8	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
250	70.	7 85.1	86.9	87.4	89.4	89.5	97.2	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1
200		6 86.3	88.5	89.0	91.0	91.1	91.9	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2 180	× 71.	9 85.5	88.9	89.5	91.5	91.6	92.3	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2 150			91.0	91.9	94.2			-	- 1	96.5			96.5	96.5	96.5	96.5
2 120		1 1 7 7	91.5	92.6	95.2	1				97.5					97.5	97.5
2 100	~	1 1	1 7 7 7		96.3	96.8				99.1				99.1	99.1	99.1
90		1		93.1	96.3	96.8	[			99.3				99.3		
. 2 80	~ <b></b>	1	,		96.3	96.9		,	99.0		99.4				99.4	
				93.2	96.4	97.0	1	1		99.5						
2 70 2 60		7 7		93.2	96.4	97.0				99.6		,			:	
		7	92.1		96.4	_ : - 1				99.8						
50	·			93.2								1	,			
	1 -	1	92.1		96.4					99.8						
2 30		7 7			96.4		1			99.8						
≥   20 		1			96.4					99.8						
	,ii 73.	1								99.8						
2	73.	7 89.0	92.1	93.2	96.4	97.0	98.1	99.0	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC .... 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH US#FETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 6143

RAMSTEIN AB DL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

CEIUNG							VISI	B1, ** 574	TUTE MILE	S						
· FEET !	≥1C	≥6	≥ 5	<u>.</u> 4	٤ 3 ،	≥2.	≥ 2	≥'.	≥* +	≥	2 4	≥ .	2	25 15	2 .	20
NO CEILING	43.4	49.7	50.8	51.2	52.5	52.5		52.6	52.6	52.8	53.0	53.0	53.1	53.1	53.1	53.1
≥ 20000	48.2	56.4	57.5	57.9	59.2	59.2	59.5	59.9	59.9	60.5	60.6	60.6	60.8	61.0	61.5	61.0
≥ 18000	48.2	56.6	57.7	58.1	59.5	59.5	59.7	60.1	60.1	60.8	60.9	60.9	61.0	61.3	61.3	61.3
. ≥ 16000	48.2	56.6	57.7	58.1	59.5	59.5	59.7	60.1		60.8		60.9	61.0	61.3	61.3	61.3
≥ 14000	48.2	56.7	57.9	58.2	59.6	59.6	59.9	60.3	60.3	60.9	61.0	61.0	61.1	61.4	61.4	61.4
≥ 12000	48.2	56.7	57.9	58.2	59.6	59.6	59.9	60.3	60.3	60.9	61.0	61.3	61.1	61.4	61.4	61.4
≥ 10000	50.2	59.1	60.3	60.6	62.3	62.3	62.6	63.4	63.4	64.0	64.2	64.2	64.3	64.5	64.7	64.7
≥ 9000	50.7	60.0	61.1	61.5	63.1	63.1	63.5	64.3	64.3	64.9	65.0	65.0	65.2	65.4	65.5	65.5
≥ 8000	52.8	62.9	64.0	64.4	66.0	66.0	66.4	67.2	67.2	67.8	67.9	67.9	68.1	68.3	68.4	68.4
. ≥ 7000	53.2	63.3	64.7	65.q	66.7	66.7	67.0	67.8	67.8	68.4	68 . 6	68.6	68.7	68.9	69.1	69.1
≥ 6000	53.3	63.6	65.0	65.4	67.0	67.0	67.4	68.2	68.2	68.8	68.9	68.9	69.1	69.3	69.4	69.4
± 5000	55.6	66.4	67.8	68.2	69.8	69.8	70.2	70.9	70.9	71.6	71.7	71.7	71.8	72.1	72.2	72.2
≥ 4500	59.4	72,5	74.2	74.6	76.4	76.4	76.7	77.5	77.5	78.1	78.2	78.2	78.4	78.6	78.7	78.7
≥ 4000	63.3	76.7	78.6	79.2	81.3	81.3	81.8	82.5	82 - 5	83.1	83.3	83.3	83.4	83.6	83.8	83.8
≥ 3500	64.8	79.4	81.5	82.1	84.4	84.4	85.2	85.9	85.9	86.5	86.7	86.7	86.8	87.	37.2	87.2
≥ 3000	67.5	82.8	85.0	85.9	88.4	88.7	89.6	90.3	90.3	90.9	91.1	91.1	91.2	91.4	1.6	91.6
≥ 2500	67.5	83.6	86.0	86.9	89.6	89.8	90.7	91.4	91.4	92.1	92.2	92.2	92.3	92.6	92.7	92.7
≥ 2000	67.7	84.0	86.4	87.3	90.3	90.6	91.4	92.2	92.2	92.8	93.4	93.0	93.1	93.5	93.8	93.8
≥ 1800	67.8	84.4	86.8	87.8	90.8	91.1	91.9	92.7	92.7	93.3	93.5	93.5	93.6	94.0	94.3	74.3
≥ 1500	68.3	84.9	87.3	88.4	91.4	91.7	93.0	93.7	93.7	94.3	94.5	94.5	94.6	95.0	95.3	95.3
≥ 1200	68.3	84.9	87.3	89.1	92.3	92.6	94.0	94.7	94.7	95.3	95.5	95.5	95.6	96.0	96.4	96.4
≥ 1000	68.3	84.9	87.5	89.4	93.Q	93.2	94.7	95.8	95.8	96.6	96.7	96.7	96.9	97.2	97.6	97.6
2 900	68.3	84.9	87.5	89.4	93.0	93.2	94.7	96.1	96.1	96.9	97.0	97.0	97.1	97.5	97.9	97.9
} ≥ 800	68.3	84.9	87.5	89.6	93.2	93.5	95.0	96.4	96.4	97.1	97.2	97.2	97.4	97.7	98.1	98.1
> 700	68.3	84.9	87.5	89.7	93.5	93.7	95.3	96.7	96.7	97.5	97.6	97.6	97.7	98.1	98.5	98.5
≥ 600	68.3	84.9	87.5	89.7	93.5	93.7	95.5	96.9	96.9	97.9	98.0	98.0	98.1	98.5	98.9	98.9
> 500	68.3	84.9	87.5	89.7	93.5	93.7	95.7	97.4		98.4		98.5			99.4	
≥ 400	68.1	84.9	87.5	89.7	93.5	93.7	1	97.4	97.4	98.4					99.4	
≥ 300	68.3	84.9	87.5		93.5	93.7	95.7	97.5		98.7				99.4		
≥ 200	68.3	84.9	87.5	89.7	93.5	93.7	1	_ 1	97.6	98.7	:		99.0	99.4	99.7	,
, 00	68.3	84.9			93.5	93.7	_ 1		1	98.7					99.7	
2 100	68.3	84.9			93.5	93.7				98.7				-		
									<i>,,,,</i>							,

TOTAL NUMBER OF OBSERVATIONS

795

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

BLOBAL CLIMATOLOGY BRANCH CAFETAC

RAMSTEIN AB DL

AT- \*EATHER SERVICE/MAC

1 -147

### CEILING VERSUS VISIBILITY

73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

USB TV STATUTE MIES 28.8 34.9 36.4 37.1 39.6 39.7 40.1 40.3 40.4 40.7 40.7 40.8 40.9 40.9 41.0 41.1 73.7 41.4 43.0 43.8 46.6 46.7 47.2 47.6 47.6 48.1 48.1 48.2 48.3 48.4 48.5 48.7 33.9 41.9 43.5 44.3 47.1 47.2 47.7 48.1 48.1 48.6 48.7 48.7 48.8 49.0 49.0 49.0 49.2 33.9 42.0 43.6 44.4 47.2 47.1 47.9 48.2 48.2 48.7 48.8 48.8 48.9 49.1 49.2 49.3 34.1 42.2 43.9 44.7 47.5 47.6 48.1 48.5 48.5 49.0 49.1 49.1 49.2 49.4 49.6 34.2 42.6 44.3 45.1 47.9 48.0 43.5 48.9 48.9 49.4 49.5 49.6 49.8 49.9 50.3 35.9 44.7 46.4 47.2 57.1 50.2 50.9 51.3 51.4 51.9 52.0 52.0 52.1 52.3 52.4 52.5 ≥ 900c ≥ 200c 36.3 45.3 47.1 47.9 57.7 50.9 51.5 51.9 52.0 52.5 52.6 52.6 52.7 52.9 53.0 53.2 37.9 47.7 49.7 50.6 53.7 53.8 54.5 55.1 55.1 55.8 55.9 56.0 56.1 56.3 56.4 56.6 47.5 69.3 63.0 64.2 68.1 68.3 69.2 69.9 70.0 70.9 71.0 71.1 71.1 71.4 71.6 71.8 71.8 71.3 65.2 68.1 69.4 73.7 73.9 74.8 75.5 75.7 76.6 76.6 76.7 76.8 77.1 77.2 77.5 79.5 75.7 71.1 74.1 75.5 80.1 80.3 81.4 82.1 82.2 83.3 83.3 83.4 83.5 83.8 83.9 84.2 75.6 76.8 72.9 76.2 77.6 82.4 82.7 83.8 84.5 84.6 85.7 85.7 85.8 85.9 86.2 86.3 86.6 350s 300s 56.8 72.9 76.2 77.6 82.4 82.7 63.8 84.5 84.6 85.7 85.7 85.8 85.9 86.2 86.3 86.6 58.7 75.0 78.4 80.0 85.1 85.4 86.5 87.3 87.4 88.5 88.6 88.6 88.7 89.1 89.2 89.5 58.3 75.5 79.3 80.6 85.8 86.1 87.2 88.0 88.1 89.2 89.2 89.3 89.4 89.8 89.9 90.2 59.6 77.6 81.4 83.2 88.6 89.1 90.4 91.2 91.4 92.5 92.6 92.6 92.8 93.1 93.3 93.5 59.9 78.1 82.3 84.2 90.1 90.4 91.8 92.6 92.9 94.0 94.1 94.2 94.3 94.6 94.8 95.1 60.2 78.6 82.7 84.9 91.3 91.7 93.3 94.2 94.5 95.8 95.9 95.9 96.1 96.4 96.6 96.6 96.6 96.9 50.3 78.7 82.9 85.1 91.6 91.9 93.5 94.5 94.9 95.8 95.9 95.9 96.1 96.4 96.6 96.6 96.9 60.3 78.7 83.0 85.2 91.8 92.2 93.9 94.9 95.4 96.8 96.9 97.0 97.1 97.5 97.7 97.9 60.3 78.7 83.0 85.3 92.0 92.4 94.2 95.4 95.8 97.4 97.5 97.9 98.1 98.3 98.4 60.3 78.7 83.0 85.3 92.0 92.4 94.2 95.4 95.8 97.4 97.5 97.9 98.1 98.3 98.6 60.3 78.7 83.0 85.3 92.0 92.4 94.3 95.6 96.0 97.6 97.8 97.9 98.1 98.3 98.6 60.3 78.7 83.0 85.3 92.0 92.4 94.3 95.6 96.0 97.8 97.8 97.9 98.1 98.3 98.6 60.3 78.7 83.0 85.3 92.0 92.4 94.3 95.6 96.0 97.6 97.8 97.9 98.1 98.3 98.8 99.0 99.3 60.3 78.7 83.0 85.3 92.0 92.4 94.3 95.6 96.0 97.8 97.8 97.9 98.1 98.3 98.8 99.0 99.3 60.3 78.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 99.8 60.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 99.8 60.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 99.8 60.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 99.8 60.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 99.8 60.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 99.8 60.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 100.0 96.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 100.0 96.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 100.0 96.3 78.7 83.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.3 100.0 96.3 98.1 98.3 98.4 98.6 99.1 99.3 100.0 96.3 98.1 98.3 98.4 98.6 99.1 9 2 500

60.3 78.7 83.0 85.3 92.0 92.4 94.4 95.8 96.3 98.1 98.3 98.4 98.6 99.1 99.4100.0

TOTAL NUMBER OF OBSERVATIONS .....

USAF ETAC 0-14-5 (OL A) MERVIOUS PORTIONS OF THE FORM ARE OBSOLETE

GLC9AL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 147 RAMSTEIN AB DL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0000-0200

200 ≥6 ≥5 24 1. 77 37.4 44.6 47.6 48.6 50.8 50.8 51.3 51.4 51.4 52.7 52.7 52.8 53.3 53.6 53.9 54.2 47.0 49.7 52.7 53.7 56. 56.1 56.6 56.7 56.7 58.0 58.0 58.1 58.6 58.9 59.2 59.5 218.00 40.1 49.8 52.8 53.8 56.2 56.2 56.7 56.8 56.8 58.1 58.1 58.3 58.7 59.0 59.3 59.6 2 10.0 49.8 52.8 53.8 56.2 5 2 56.7 56.8 56.8 58.1 58.1 58.3 58.7 59.0 59.3 59.6 2 10.7 49.8 52.8 53.8 56.3 56.3 56.8 56.9 56.9 58.3 58.4 58.9 59.1 59.5 59.7 40.2 50.1 53.1 54.0 56.7 56.7 57.2 57.3 57.3 58.6 58.6 58.7 59.2 59.5 59.8 60.1 2 60.0 43.1 53.3 56.5 57.4 60.3 60.3 60.8 60.9 60.9 62.2 62.2 62.4 62.8 63.1 63.4 63.7 2 60.0 44.0 54.4 57.5 58.9 61.4 61.4 61.9 62.0 62.7 63.3 63.3 63.4 63.9 64.2 64.5 64.3 83.0 47.0 58.9 62.0 63.1 66.2 66.2 66.7 66.8 66.8 68.2 68.2 68.3 68.8 69.7 69.4 69.6 54.6 69.1 72.6 74.1 77.3 77.3 77.8 77.9 77.9 79.3 79.3 79.6 80.2 80.5 80.8 81.3 57.1 72.0 75.6 77.1 80.3 80.3 80.8 80.9 80.9 82.3 82.3 82.6 83.2 83.5 63.8 84.3 350 58.7 74.4 78.4 79.9 83.5 83.5 84.0 84.1 84.1 85.4 85.8 86.4 86.6 87.0 97.5 3990 60.0 76.1 80.1 81.5 85.6 85.6 86.1 86.2 86.2 87.7 87.7 88.1 88.7 88.9 89.3 89.7 60.0 76.1 80.1 81.5 85.8 85.8 86.2 86.4 87.8 87.8 87.8 88.2 88.8 89.0 89.4 89.9 2 2000 60.9 77.6 81.7 83.2 87.8 87.0 88.4 88.5 88.5 90.0 90.0 90.3 91.0 91.2 91.6 92.0 9800 60.9 78.3 82.4 84.0 88.5 88.7 89.4 89.5 89.5 91.0 91.0 91.3 91.9 92.2 92.5 93.0 62-0 79-7 84-1 85-8 90-8 91-0 92-2 92-3 92-3 94-1 94-1 94-5 95-1 95-3 95-7 96-1 62-7 79-9 84-2 85-9 91-4 91-7 92-9 93-4 93-4 95-4 95-4 95-8 96-4 96-6 97-0 97-5 62-1 87-5 84-9 86-6 92-4 92-6 93-8 94-3 94-3 96-4 96-4 96-7 97-3 97-6 97-9 98-4 62-2 80-6 85-0 86-7 92-5 92-8 94-0 94-5 94-5 96-5 96-5 96-5 96-9 97-5 97-7 98-1 98-6 1200 > 900 80x | 62.2 80.8 85.3 87.0 92.8 93.0 94.5 94.9 94.9 97.0 97.0 97.3 97.9 98.2 98.6 99.3 700 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.3 97.7 98.3 98.6 98.9 99.4 700 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.3 99.8 2 500 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.3 99.6 2 400 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.3 99.6 2 300 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.3 99.6 2 300 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.3 99.8 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.4 99.9 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 96.9 99.4 99.9 62.2 80.8 85.3 87.2 93.1 93.4 94.8 95.3 95.3 97.7 97.7 98.1 98.7 98.9 99.5100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_\_82

USAF ETAC - NA - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUPAL CLIMATOLOGY BRANCH USAFETAC ATS WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 140 PAMSTEIN AB DL

73-31

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0**300-**0500

TOTAL NUMBER OF OBSERVATIONS

826

USAF ETAC - 0-14-5 (OL A) PREVIOUS ENTRING TO THIS FORM ARE OBSOLETE

OL BAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 14" KAMSTEIN AS DL

2

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE ... ROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_83

USAF ETAC A4 0-14-5 FOL A PREVIOUS EDITION OF THE COMM ARE CONDUCTOR

RAMSTEIN AB GERMANY (WEST) REVISED UNIFORM SURMARY OF SURFACE WEATHER GBS. (U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A. 21 JUL 82 USAFETAC/DS-82/043 SBI-AD-E850 202 F/G 4/2 AD-A122 709 315 UNCLASSIFIED NL



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS - 1963 - A

SEPRETAC ATT WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

÷ 800€ - 9000 - 90 > 6000 5000 4000 2500 3 3000 > 2500 60.1 77.1 79.6 81.6 86.1 86.1 86.7 86.9 86.9 87.3 87.3 87.3 87.3 87.3 87.3 87.3 2 2006 ≥ '800 2 1500 > 1200 90C 2 700 2 600 500 400 200 100 

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_83

USAF ETAC 1164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

\_\_\_\_\_

SLIPAL CLIMATOLOGY BRANCH JSAFETAC AL " "EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

FAMSTEIN AB DL

73-81

MAY.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

1230-1400

CE UNG	· · · · · · · · · · · · · · · · · · ·						. 5!	5 . 1 . 514	* "E ** .E							
-EF	≥14	≥ 6	≥ <		2 3	22	2.7	2	2	:	₹ •	<u>.</u>				
NG 1 ERING 2000C		35.2	35.6					35.8		-	35.8	35.8	35.8	35.F	35.8	35.8
	39 • 1		46.7			47.3				47.3				47.3	·	
≥ 180%÷ ≥ 16000	39.3		47.1							47.7					47.7	
	39.4									47.8					1 2 7 7 .	
≥ 14000 ≥ 12004		46.7	47.2			-		-		47.8		_		47.8	47.8	
2 701			48.0							48.6					48.6	
≥ 10000€		49.5		50.5				_		50.9					50.9	
≥ 9000		49.8								51.3					51.3	
≥ 800C		52.9		54.0		-	- 1			54.7	_		54.7	54.7	54.7	54.7
2 7000										56.3						
≥ 0(4)¢			56.4							57.6						57.6
- 50W			59.3							61.2				61.2	61.2	61.2
<b>450</b> € .	51.6						:			64.3	,					
≥ 4000	5 <b>5.6</b>	66.1	66.9	67.5						69.2				69.2	69.2	69.2
≥ 3500	62.4	74.Q	74.9	75.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	70.5	82.9	84.2	84.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	72.2	86.3	87.6	88.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	74 - 1	88.6	90.1	91.3						93.7					93.7	93.7
± 1800	74.4	89.0	90.4	91.6	93.8	93.8	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2 150€	75.5	90.7	92.2	93.5	95.7	95.7	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	75.7	91.0	92.7	94.0	96.3	96.3	96.5	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 000	76.3	91.6	93.4	94.9	97.6	97.6	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	96.4
2 900	76.3	91.6	93.4	94.9	97.6	97.6	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	76.3	91.6	93.5	95.1	97.8	97.8	98.2	98.3	98.8	98 . 8	98.8	98.8	98.8	98.8	98.9	98.8
≥ 700	76.3	91.6	93.5	95.1	97.8	98.0	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	76.3	91.6	93.5	95.1	97.8	98.0	98.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	76.3	91.6	93.5	95.1	98.0	98.3	98.9	99.2	99.9	100.01	00.0	100.0	00.01	00.01	00.01	0.00
≥ 400	76.3	91.6	93.5	95.1	98.0	98.3	98.9	99.2	99.9	100.01	00.0	100.0	00.01	00.01	00.01	00.0
± 300	76.3	91.6	93.5	95.1	98.0	98.3				100.01						
2 200	76.3	91.6	93.5	95.1	98.0	98.3				100.01				;-		,
> 00	76.3	91.6	93.5	95.1						100.01						
2 0 1	76.3					j.				100.01						-
Li																

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIBAL CLIMATOLOGY BRANCH USAFETAC

AIR MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

RAMSTEIN AS DE

MAY.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LARLING CTATURE WILES

1500-1700

	47.3 47.3 47.3
20000 39.7 46.7 47.7 47.3 47.3 47.3 47.3 47.3 47.3 47	47.3 47.3 47.3
18/00 40-1 47-4 47-7 48-0 48-0 48-0 48-0 48-0 48-0 48-0 48-0	
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**** 40.4 47.7 47.9 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3	
	48.3 48.3 48.3
> 14300 4D.4 47.8 48.7 48.4 48.4 48.4 48.4 48.4 48	48.4 48.4 48.4
1 200 41.2 48.7 49.0 49.3 49.5 49.5 49.5 49.5 49.5 49.5 49.5 49.5	49.5 49.5 49.5
2 mar 43.8 51.6 52.0 52.3 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4	52.4 52.4 52.6
2 2 2 44.6 52.8 53.2 53.5 53.6 53.6 53.6 53.6 53.6 53.6 53.6	53.6 53.6 53.8
- 8NG 48.5 57.6 58.2 58.5 58.9 58.9 58.9 58.9 58.9 58.9 58.9	58.9 58.9 59.7
***** 49.4 59.5 59.7 60.2 60.6 60.6 60.6 60.6 60.6 60.6 60.6	
50.5 60.7 61.1 61.4 61.8 61.8 61.8 61.8 61.8 61.8 61.8 61.8	
52.3 63.0 63.3 63.8 64.8 64.8 64.8 64.8 64.8 64.8 64.8 64	
4500 55.7 67.7 68.1 68.6 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69	
4000 60-1 72-6 73-C 73-6 74-7 74-7 74-7 74-7 74-7 74-7 74-7 74	
300 66.2 79.9 89.4 81.0 82.2 82.2 82.2 82.2 82.2 82.2 82.2 82	
- 3000 73.4 87.8 88.6 89.2 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.8	
250c 74.3 89.8 90.8 91.4 93.2 93.2 93.2 93.2 93.2 93.3 93.5 93.5 93.5 93.5	
2000 75.9 92.2 93.2 93.8 95.7 95.7 95.7 95.7 95.8 95.8 95.8 95.8 95.8	
2 1800 75.9 92.2 93.2 94.0 95.9 95.9 95.9 95.9 96.1 96.1 96.1 96.1	
£ 1500 76.6 93.3 94.5 95.6 97.6 97.6 97.6 97.6 97.6 97.7 97.7 97	
2 120. 77.2 94.0 95.2 96.3 98.3 98.3 98.3 98.7 98.8 98.8 98.8 98.8	
2 100c 77.3 94.1 95.3 96.4 98.4 98.4 98.6 98.6 98.9 99.D 99.D 99.D 99.D	
90c 77.3 94.1 95.3 96.4 98.7 98.1 98.8 98.8 99.2 99.3 99.3 99.3 99.3	
2 800 77.3 94.1 95.3 96.4 98.7 98.7 98.8 98.9 99.3 99.4 99.4 99.4 99.4	
2 700 77.3 94.1 95.3 96.4 98.7 98.7 98.6 98.9 99.3 99.4 99.4 99.4 99.4	
= 607 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.4 99.5 99.5 99.5 99.5	
500 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.8 99.9 99.9 99.9	
= 400 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.8 99.9 99.9 99.9 99.9	
2 300 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.8 99.9 99.9 99.9	
2 200 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.8 99.9 99.9 99.9 99.9	
2 100 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.8 99.9 99.9 99.9 99.9	
2 77.3 94.1 95.3 96.4 98.7 98.7 98.9 99.0 99.8 99.9 99.9 99.9 99.9	99.9 99.9100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 200 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIPAL CLIMATOLOGY BRANCH ESAFETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 141

RAMSTEIN AB DL

73-81

MAY ---

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

HIS BUTT STATUTE MUES

NOT PHINE ≥ 8000 ≥ 8000 4000 ≥ 10000 8000 + 500c 2 4500 + 400C 3500 3000 2500 2000 :800 1500 1.20K 1000 900 700 500 76.9 93.2 95.2 95.8 98.7 98.9 99.2 99.3 99.4 100.0100.0100.0100.0100.0100.0100.0 76.9 93.2 95.2 95.8 98.7 98.9 99.2 99.3 99.4 100.0100.0100.0100.0100.0100.0100.0 76.9 93.2 95.2 95.8 98.7 98.9 99.2 99.3 99.4 100.0100.0100.0100.0100.0100.0100.0 2 200

76.9 93.2 95.2 95.8 98.7 98.9 99.2 99.3 99.4100.0100.0100.0100.0100.0100.0100.0200.0

TOTAL NUMBER OF OBSERVATIONS 83

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DLCHAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 :140 RAMSTEIN AB DL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2393

29 20 21 24 23 24 23 24 20 49 8 49 8 49 9 49 9 49 9 49 9 49 9 49	EL NO									1 16 W (							
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44.0 54.6 55.2 56.1 56.8 56.8 57.0 57.0 57.0 57.0 57.0 57.0 57.0 57.0	NO FREE	39.1	47.6	48.2	49.0	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.7	49.9	50.0	50.0
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44.0 54.8 55.4 5.4 57.1 57.1 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2	≥ 1800	44.7	54.8	55.4	56.4	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
44.1 55.0 55.6 56.7 57.6 57.6 57.7 57.7 57.7 57.7	2 *	44.0	54.8	55.4	5.4	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
48.3 59.7 60.7 61.8 62.6 62.6 62.7 62.7 62.7 62.7 62.7 62.7	2 4 KK	44.0	54.8	55.4	5 4	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
48.9 60.4 61.4 62.5 63.3 63.3 63.4 63.4 63.4 63.4 63.4 63.4	. (20m	44.1	55.0	55.6	56.7	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
53.0 53.0 54.7 65.7 66.9 67.7 67.7 67.9 67.9 67.9 68.0 68.0 68.0 68.0 68.0 68.0 68.1 62.2 54.6 54.6 67.4 68.3 69.5 70.7 70.7 70.9 70.9 70.9 71.0 71.0 71.0 71.0 71.1 71.1 71.2 72.0 60.0 55.3 68.5 69.4 70.6 71.8 71.8 71.9 71.9 71.9 72.1 72.1 72.1 72.2 72.2 72.2 72.3 72.4 54.0 59.7 73.5 74.5 75.7 76.9 76.9 77.0 77.0 77.0 77.3 77.3 77.3 77.3 77.5 77.5 77.6 77.4 44.0 62.4 77.8 78.8 80.1 81.5 81.5 81.7 81.7 82.0 82.0 82.0 82.0 82.1 82.1 82.3 82.4 82.3 83.6 85.1 85.1 85.1 85.1 85.1 85.3 85.3 85.6 85.6 85.6 85.6 85.7 85.7 85.9 82.3 83.0 68.0 88.1 82.3 88.2 88.2 88.6 88.6 89.0 89.0 89.0 89.1 89.1 89.1 69.2 82.0 82.0 82.0 82.0 82.1 82.3 83.0 82.3 83.0 83.3 85.0 86.5 88.2 88.6 88.6 88.6 89.0 89.0 89.0 89.1 89.1 89.1 69.2 82.0 82.0 82.0 82.0 82.0 82.1 82.3 83.0 82.3 83.0 83.0 85.1 85.1 85.1 85.1 85.3 85.3 85.4 85.6 85.6 85.6 85.7 85.7 85.9 83.0 83.0 83.0 83.0 83.0 83.0 83.0 88.0 88		48.3	59.7	60.7	61.8	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8
54.6 67.4 68.3 69.5 70.7 70.7 70.9 70.9 70.9 71.0 71.0 71.0 71.1 71.1 71.2 7 2 60.6 55.3 68.5 69.4 70.6 71.8 71.8 71.9 71.9 71.9 72.1 72.1 72.1 72.2 72.2 72.3 7 2 5.0 59. 73.5 74.5 75.7 76.9 76.9 77.0 77.0 77.0 77.0 77.3 77.3 77.3 77.3	≥ \$100,			:							:					,	
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59. 73.5 74.5 75.7 76.9 76.9 77.0 77.0 77.0 77.3 77.3 77.3 77.5 77.5 77.6 7 7.6 7 7.6 77.6 77.6 77	2 7.80	54 . 6															
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300 66.8 83.3 85.0 86.5 88.2 88.2 88.6 88.6 88.6 89.0 89.0 89.0 89.1 89.1 89.1 89.2 89.3 90.6 91.7 91.7 91.7 92.1 92.1 92.1 92.2 92.2 92.3 92.5 90.6 91.7 91.7 91.7 92.1 92.1 92.1 92.1 92.2 92.2 92.3 92.5 92.6 92.6 92.6 92.6 92.6 92.9 92.9 92.9	* * *				7			,				_		_			
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2 0 69.5 87.8 90.0 92.6 96.1 96.4 98.0 98.4 98.4 99.6 99.6 99.8 99.8 99.8 99.910	1 2 2	69.5	87.8	A0.0	92.6	76.3	96.4	95.D	78.4	<b>98.4</b>	77.6	99.6	79.6	99.8	77.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 83

USAF FTAC 1104 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC A!- WEATHER SERVICE/MAC

300

100

2

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### CEILING VERSUS VISIBILITY

1 (14" RAMSTEIN AB DL

73-81

MAY

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

VISIBILATE MILES ≥10 '≥6 30.8 37.4 39.0 39.8 41.2 41.3 41.6 41.7 41.7 42.1 42.1 42.1 42.3 42.4 42.6 42.9 36.1 44.7 46.3 47.3 48.9 49.0 49.3 49.5 49.5 49.9 50.0 50.0 50.1 50.3 50.5 50.7 36.2 45.0 46.7 47.6 49.3 49.4 49.7 49.8 49.9 50.3 50.3 50.3 50.5 50.6 50.8 51.0 ~ 20000 ≥ 18000 36.3 45.1 46.8 47.7 49.3 49.5 49.8 49.9 50.0 50.4 50.4 50.4 50.6 50.7 50.9 51.1 36.3 45.2 46.8 47.8 49.5 49.6 49.9 50.1 50.1 50.5 50.5 50.6 50.7 50.9 51.1 51.2 36.6 45.7 47.4 48.4 50.2 50.4 53.7 50.8 50.9 51.3 51.3 51.3 51.4 51.6 51.8 52.3 39.1 49.6 50.5 50.5 50.5 51.5 53.4 53.6 53.9 54.0 54.1 54.5 54.5 54.6 54.7 54.9 55.1 55.3 4 16000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 39.8 49.6 51.6 52.5 54.5 54.6 54.9 55.1 55.2 55.6 55.6 55.6 55.8 55.9 56.2 56.3 43.3 54.0 56.0 57.1 59.4 59.5 59.9 60.0 60.1 60.6 67.6 67.6 67.6 60.8 61.0 61.2 61.3 ≥ 8000 44.7 55.9 58.0 59.2 61.6 61.7 62.2 62.3 62.4 62.9 62.9 62.9 63.1 63.3 63.6 63.7 45.3 56.8 58.9 60.1 62.5 62.6 63.1 63.2 63.3 63.8 63.8 63.8 64.0 64.2 64.5 64.6 ≥ 6000 2 5000 47.7 60.0 62.2 63.5 66.3 66.5 66.9 67.1 67.2 67.7 67.8 67.8 68.7 68.2 68.4 68.6 50.3 63.6 66.0 67.3 70.3 70.4 70.9 71.1 71.2 71.7 71.7 71.8 72.7 72.2 72.5 72.7 53.4 67.5 77.1 71.6 74.7 74.9 75.4 75.7 75.8 76.3 76.4 76.4 76.6 76.8 77.1 77.4 > 4500 ≥ 4000 56.7 71.6 74.5 76.1 79.7 79.9 80.5 80.7 80.8 81.3 81.4 81.5 81.7 81.9 82.2 82.4 ≥ 3500 ≥ 3000 60.5 76.4 79.4 81.1 85.1 85.3 86.0 86.3 86.4 87.0 87.1 87.1 87.4 87.5 87.8 88.1 61.5 77.9 81.0 82.8 87.0 87.2 87.9 88.2 88.3 89.0 89.1 89.1 89.3 89.5 89.8 90.1 ≥ 2500 ≥ 2006 62.7 79.6 82.9 84.7 89.1 89.4 90.2 90.5 90.6 91.3 91.4 91.4 91.7 91.8 92.1 92.4 62.9 80.1 83.3 85.2 89.7 90.0 90.8 91.1 91.3 92.0 92.1 92.1 92.3 92.5 92.8 93.1 ≥ 1800 ≥ 1500 63.8 81.7 85.0 87.1 92.0 92.3 93.3 93.6 93.8 94.6 94.7 94.7 95.0 95.1 95.4 95.7 64.0 82.0 85.5 87.6 92.8 93.1 94.1 94.6 94.8 95.7 95.8 95.8 96.0 96.2 96.5 96.8 ≥ 1200 ≥ 1000 64-3 82-5 86-0 88-2 93-6 93-9 95-0 95-5 95-7 96-6 96-7 96-7 96-9 97-1 97-4 97-7 64.3 82.5 86.1 88.3 93.8 94.1 95.2 95.7 96.0 96.8 96.9 97.0 97.2 97.3 97.7 97.9 64.3 82.6 86.1 88.4 94.0 94.3 95.5 96.1 96.3 97.2 97.3 97.4 97.6 97.8 98.1 98.3 64.4 82.6 86.2 88.5 94.3 94.7 95.9 96.5 96.8 97.7 97.8 97.9 98.1 98.2 98.6 98.8 900 800 700 2 64.4 82.6 86.2 88.5 94.3 94.7 96.0 96.6 96.9 97.9 98.1 98.1 98.3 98.5 98.8 99.1 64.4 82.6 86.2 88.5 94.4 94.8 96.1 96.8 97.2 98.3 98.4 98.5 98.7 98.9 99.2 99.4 64.4 82.6 86.2 88.5 94.4 94.8 96.1 96.8 97.2 98.3 98.4 98.5 98.7 98.9 99.2 99.4 600 500 400

64.4 82.6 86.2 88.5 94.4 94.8 96.1 96.8 97.3 98.4 98.5 98.6 98.8 99.0 99.3 99.6

64.4 82.6 86.2 88.5 94.4 94.8 96.1 96.8 97.3 98.4 98.5 98.6 98.9 99.1 99.6 99.9 64.4 82.6 86.2 88.5 94.4 94.8 96.1 96.8 97.3 98.4 98.5 98.6 98.9 99.1 99.6100.0

64.4 82.6 86.2 88.5 94.4 94.8 96.1 96.8 97.3 98.4 98.5 98.6 98.9 99.1 99.6 100.0

TOTAL NUMBER OF OBSERVATIONS 6667

USAF ETAC 1004 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 (1+) RAMSTEIN AB DL

73-81

. . . . . . . . .

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

SHIT STATUTE MILES

3000<u>-</u>0300

≥6 ≥5 24 ≥+ 22  $-2z = -2^2 = -2z$ 37.2 45.1 47.9 48.1 49.8 49.8 50.5 50.5 50.7 51.9 52.0 52.0 52.3 52.5 53.5 53.7 39.4 47.5 51.5 52.1 53.7 53.7 54.6 54.6 54.9 56.3 56.4 56.4 56.8 56.9 57.9 58.1 39.4 47.5 51.5 52.1 53.7 53.7 54.6 54.6 54.9 56.3 56.4 56.4 56.8 56.9 57.9 58.1 39.4 47.5 51.5 52.1 53.7 53.7 54.6 54.6 54.9 56.3 56.4 56.4 56.8 56.9 57.9 58.1 39.4 47.5 51.5 52.1 53.7 53.7 54.6 54.6 54.9 56.3 56.4 56.4 56.8 56.9 57.9 58.1 39.4 47.5 51.5 52.1 53.7 53.7 54.6 54.6 54.9 56.3 56.4 56.4 56.8 56.9 57.9 58.1 39.4 47.5 51.5 52.1 53.7 53.7 54.6 54.6 54.9 56.3 56.4 56.4 56.8 56.9 57.9 58.1 41.2 47.9 54.0 54.6 56.3 56.3 57.3 57.3 57.7 59.0 59.1 59.1 59.5 59.6 60.6 60.9 42.0 50.6 54.4 55.6 57.3 57.3 58.3 58.6 60.0 60.1 60.1 60.5 60.7 61.7 62.3 45.7 55.4 59.6 60.4 62.2 62.2 63.2 63.2 63.6 64.9 65.1 65.1 65.4 65.7 66.7 66.9 2 . . . . • 500C 2 3000 2 3000 61.5 74.1 83.0 81.4 85.2 85.2 86.3 86.4 86.8 88.6 88.6 88.6 89.1 89.4 90.5 90.9 62.0 75.2 81.1 82.6 86.5 86.5 88.0 88.1 88.5 90.6 90.7 90.7 91.2 91.5 92.6 93.3 63.7 77.2 83.5 84.9 89.3 89.3 90.9 91.0 91.4 93.5 93.6 93.6 94.1 94.3 95.4 95.8 63.5 77.3 83.6 85.1 89.4 89.4 91.0 91.1 91.5 93.7 93.8 93.8 94.3 94.6 95.7 96.0 2005 64.2 78.0 84.4 85.9 90.4 90.5 92.3 92.8 95.1 95.2 95.2 95.8 96.0 97.2 97.5 64.2 78.0 84.6 86.2 90.6 90.7 92.6 92.7 93.1 95.3 95.4 95.6 96.2 96.4 97.5 97.9 64.3 78.3 84.8 86.4 91.1 91.4 93.2 93.3 93.7 95.9 96.0 96.2 96.8 97.0 98.1 98.5 64.7 78.4 85.2 86.8 91.5 91.7 93.6 93.7 94.1 96.3 96.4 96.5 97.2 97.4 98.5 98.9 2 5 YC 1.2(X. 1000 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.7 96.8 97.4 97.7 98.8 99.1 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.7 96.8 97.4 97.7 98.8 99.1 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.8 98.9 99.3 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.8 98.9 99.3 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.8 98.9 99.3 - 8cm 700 2 60K ± 5 x ₹ 400 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.8 98.9 99.3 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.9 99.0 99.4 ≥ 300 ≥ 200 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.9 99.0 99.4 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.9 99.0 99.8 64.7 78.6 85.2 86.9 91.7 92.0 93.8 94.0 94.3 96.5 96.8 96.9 97.5 97.9 99.0100.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1164 0-14-5 (OL A) MENIOUS COTTONS OF THIS FORM ARE OBSOLETE

SLOPAL CLIMATOLOGY BRANCH US AFETAC ATA WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 -14-7 RAMSTEIN AB DL 73-81

300-0500

PERCENTAGE FREQUENCY OF OCCURRENCE IFROM HOURLY OBSERVATIONS:

SIBIL THE STATE MILES 214 2 24 2 25 5 74 20 25 1 24 23 22 27 2 27.4 27.0 31.6 32.0 39.0 39.2 40.5 41.4 41.5 42.5 42.8 42.9 43.2 43.6 44.7 45.2 NC CENTRIC. 21.7 28.7 33.3 33.8 41.1 41.3 42.6 43.6 43.9 45.1 45.4 45.5 46.1 46.6 47.7 48.2 21.7 28.7 33.3 33.8 41.1 41.3 42.6 43.6 43.9 45.1 45.4 45.5 46.1 46.6 47.7 48.2 2 20000 > 18000 3 1**600**0 21.9 28.7 33.3 33.8 41.1 41.3 42.6 43.6 43.9 45.1 45.4 45.5 46.1 46.6 47.7 48.2 21.9 28.7 33.3 33.8 41.1 41.3 42.6 43.6 43.9 45.1 45.4 45.5 46.1 46.6 47.7 48.2 > 14000 ≥ 12000 21.9 28.7 33.3 33.8 41.1 41.3 42.6 43.6 43.9 45.1 45.4 45.5 46.1 46.6 47.7 48.2 24.2 31.1 35.9 36.4 43.7 43.9 45.4 46.3 46.6 48.0 48.2 48.3 48.9 49.4 50.6 51.1 ≥ 10000 ≥ 9000 25.0 32.0 36.8 37.3 44.9 45.0 46.5 47.5 47.7 49.1 49.4 49.6 50.2 50.7 51.9 52.4 28.9 36.3 41.8 42.3 50.1 50.2 51.7 52.7 53.0 54.8 55.1 55.3 55.9 56.4 57.6 58.1 29.4 37.1 42.8 43.2 51.3 51.4 52.9 53.9 54.3 56.0 56.4 56.5 57.1 57.6 58.9 59.4 30.0 37.4 43.1 43.6 51.7 51.8 53.3 54.3 54.6 56.4 56.8 56.9 57.5 58.0 59.2 59.7 > 8000 32.2 40.4 46.3 47.2 55.5 55.6 57.2 58.2 58.6 60.5 60.8 61.0 61.8 62.5 63.9 64.4 35.3 44.2 50.9 52.0 69.5 60.7 62.7 63.7 64.1 66.2 66.5 66.7 67.5 68.2 69.6 70.1 40.1 49.6 56.5 57.6 67.3 67.5 69.5 70.5 70.9 73.0 73.4 73.5 7.3 75.0 76.5 77.0 2 4000 43.1 53.8 61.1 62.2 72.7 73.0 75.2 76.3 76.7 78.8 79.2 79.3 80.2 80.8 82.4 82.9 46.2 56.6 64.2 65.3 76.5 77.0 79.3 80.4 80.9 83.0 83.4 83.5 84.5 85.1 86.7 87.6 46.4 57.2 64.9 66.2 77.2 77.7 80.2 81.3 81.8 84.1 84.5 84.6 85.6 86.2 87.9 88.7 ≥ 3500 2 3000 ≥ 2500 47.8 58.6 66.3 67.4 78.9 79.4 82.0 83.1 83.8 86.4 86.7 86.9 87.9 88.5 90.1 91.0 48.2 59.1 66.8 67.9 79.4 79.9 82.5 83.6 84.3 86.9 87.2 87.4 88.4 89.0 90.6 91.4 1800 49.3 60.6 68.4 69.8 82.2 82.7 85.6 86.9 87.5 90.1 90.5 90.6 91.6 92.2 93.8 94.7 49.7 61.1 69.0 70.4 82.8 83.3 86.2 87.6 88.2 90.8 91.2 91.4 92.4 93.1 94.7 95.5 1500 2 1200 2 1000 57.2 61.7 69.6 71.0 83.6 84.5 87.6 89.0 89.6 92.2 92.6 92.8 93.8 94.5 96.3 97.1 50.6 62.1 70.1 71.5 84.1 85.0 88.2 89.7 90.3 92.9 93.3 93.6 94.5 95.3 97.0 97.9 50.6 62.1 70.1 71.7 84.4 85.3 88.5 90.0 90.6 93.2 93.6 93.8 94.8 95.5 97.3 98.1 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.3 93.7 93.9 94.9 95.7 97.4 98.3 900 800 700 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.8 97.5 98.4 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.8 97.5 98.4 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.8 97.5 98.4 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.8 97.5 98.4 500 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.9 97.6 98.5 2 300 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.9 97.6 99.1 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 95.9 97.8 99.9 50.6 62.1 70.1 71.9 84.5 85.4 88.6 90.1 90.7 93.4 93.8 94.1 95.0 96.0 97.9100.0

USAF ETAC 104 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLURAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 /143

RAMSTEIN AB DL

73-81

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

.∂600<u>−08</u>00

FFE" -																
	≥10 .	≥ 6	≥ '	± 4	2:	•	≥.	>	ž.,	≥	2 4	٠.	ż	25 -	٠.	:
NO CERINO	17.7	24.7	27.d	29.5	35.3	36.3	37.0	37.8	38.1	38.6	38.6	38.8	38.8	39.7	39.1	39.5
2.000										42.5						
≥ '800/	19.8	26.8	33.4	32.8	40.1	40.1	40.9	41.6	42.1	42.8	42.8	43.1	43.2	43.7	44.1	44.4
₹ 15000										42.8						
≥ 14064										42.8						
≟ 1200K										43.0						
<u>≃ '</u> મ#મ'						-				84.9						
<u>≥ 900</u>										46.8						
± 800C										51.6						
2.0		- :								53.1						55.2
6.407										53.3						
5000 		i		_	1	- 1				57.4						
45; ' 466;				,						61.5						
		1								66.4						
2 3500 2 1000		1								70.7					-	_
										80.0						
± 250€ ± 200€										84.2						
										85.6						
2 1500 ≥ 1500		1								89.9						
200										91.1						
2 1000										93.3						
										94.0						
≥ 800	47.2	59.1	65.7	69.0	84.1	84.6	88.0	90.0	91.2	94.2	94.2	94.7	94.8	95.7	96.2	96.9
700	47.2	59.1	65.7	69.3	84.4	84.9	88.4	90.4	91.6	94.6	94.6	95.1	95.2	96.D	96.5	97.3
≥ 500	47.2	59.1	65.7	69.4	84.6	85.1	88.5	90.5	91.9	94.8	94.8	95.3	95.4	96.3	96.8	97.5
> 500	47.2	59.1	65.7	69.4	84.6	85.1	88.5	90.7	92.2	95.2	95.2	95.7	95.8	96.7	97.2	97.9
≥ 400										95.4						
300	47.2	59.1	65.7	69.4	84.6	85.1	88.6	91.1	92.8	95.9	95.9	96.4	96.5	97.4	98.0	98.8
2 20C										96.0						
> 36	47.2	59.1	65.7	69.4	84.6	85.1	88.6	91.1	92.8	96.0	96.0	96.5	96.7	97.5	98.4	100.0
2	47.2	59.1	65.7	69.4	84.6	85.1	88.6	91.1	92.8	96.0	96.0	96.5	96.7	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 813

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 - 140 RAMSTEIN AB DL

73-81

- - <del>Gar</del>i'-----

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

0900-1100

(EUNG							▼ \$1	B (-TY - 574	TLTE MILE	4						
+EET	≥10	≥ 6	۶,	≥ 4	g )	27.	27	21	2	-	2 .	2 -		25 12	2 -	2
NO (ENNO ≥ 20000	32.3		37.7				39.3					39.6			39.6	
≥ 18000	36.8		42.5												+4.5	
≥ 15000	36.8		42.5	-			44.3	. • -	• .	44.5		44.5	44.5	44.5	44.5	44.5
≥ 14000	37.2		42.9			44.5	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
, ≥ 12000	3 <b>7.3</b>	42.0	43.0	43.8	44.6	44.6	44.7	45.D	45.0	45.0	45.0	45.0	45.0	45.C	45.0	45.0
3000. ₹	39.1	44.1	45.1	45.9	46.7			,						47.1	47.1	47.1
≥ 9000	39.9	45.1			47.8	1	48.0							48.2	48.2	48.2
≥ 8000	42.9			50.2	52.2		52.4								52.7	
≥ 7006	43.9				53.5					54.0				54 · C		54.0
≥ 6000	44.5	50.3	51.5				54.6							54.9	54.9	
2 5000	46.6	52.7		54.8	57.1	57.2				57.6						57.6
.: ≥ 4500 .: ± 4000	53.5	54.9			,		59.7 65.5							60.0	60.0	
<del></del>	58.1	65.8		68.7	71.4		71.7			72.3					72.3	
≥ 3500 ≥ 3000	64.8		76.1		81.2		1			82.4				_		
> 2500	65.6			79.2					84.2		84.4				84.4	
2 2000	69.0						88.5									
≥ 1800	69.3	1					89.2	1		90.4					90.4	
≥ 150C	71.2	82.9	85.4	87.4	92.3	92.6	93.0	93.6	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	72.2	84.5	87.1	89.6	94.9	95.2	95.6	96.2	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	72.3	84.7	87.5	90.0	95.8	96.2	96.7	97.4	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
900	72.3	84.7	87.5	90.0	95.9	96.3	96.8	97.5	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	72.3	84.7	87.6	90.1	96.4	96.8				99.1				99.1	99.1	
≥ 700	72.3	84.7	87.6	90.1	96.4	96.8				99.1		;				
≥ 600	72.3	84.7	87.6	90.1	96.5	96.9	97.5	98.5	98.8				99.4			
> 500	72.3	84.7		90.1	96.7		97.7			99.6		,				
≥ 400	72.3	54.7	87.6	90.1			97.8									
≥ 300 ≥ 200	72.3	54.7					97.8									
<u></u>	72.3		87.6				97.8									
2 100	72.3	84.7	87.6				97.8	- 1								
	1203	0401	0/00	7001	7001	7700	71.0	7701	7704		.00.0	100.0	100.0			100.0

USAF ELMC 16 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLE

CLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

2

# CEILING VERSUS VISIBILITY

1 - 147 RAMSTEIN AB DL

73-81

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1205-1400

reaks							v 5 :	5. ** C* <b>A</b>	TITE MIT	3						
÷EE.	5	26	2 %	<u>2</u> 4		≥ 2	≥ /	3.	٤	2				<u></u> :	<i>:</i> .	:
NO FRANCE										35.1 42.0						
≥ 3006	39.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.7	43.0	43.0
2 A000 → 14000										43.0						
2 12000	40.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.8	43.8	43.8	43.8
± 1900€ ± 200€			i							47.5			_			
	46.8	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
										52.5						$\frac{52.3}{52.6}$
2.75	50.7	55.9	55.9	55.9	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
: 4\\\. 4\\\\#								_	1	59.6		-		-		
71.0	67.8	74.1	74.7	74.8	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
250k										90.7						
2 100	31.7	90.1	91.1	91.5	93.Q	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
		_1				-	-			94.3				-	_	
2 .0	83.3	92.6	94.0	94.6	97.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
<del></del>										98.8						
2 8us	83.3	92.6	94.1	95.1	98.5	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	83.3		- 1							99.9						
500	83.3					- 1				100.01	,					
± 400 ± 300	83.3	4		- 1	- 1	- 1				100.0						
	63.3	92.6	94.0	95.1	98.6	99.4	99.9	100.0	00.0	100.01	00.0	100.0	100.01	00.01	00.01	100.0
- 100 - ≛ :									4.1	100.01 100.01				_		

TOTAL NUMBER OF OBSERVATIONS 81

USAF ETAC - 14 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH JOSEFETAC ALL MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 4147 RAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

, ≥° ≥6 ≥4 · •4 - 20000 ± -8000 ≥ 5000 2 400 2 200% 4.50 ± 3 €4 1000 86.8 95.2 95.8 97.9 99.1 99.1 99.3 99.3 99.6 99.8 99.8 99.8 99.8 99.8 99.8 SOC-50X 300 36.8 95.3 95.9 98.0 99.4 99.4 99.5 99.5 99.9100.0100.0100.0100.0100.0100.0 

USAF ETAC - 0-14-5 FOL AT MEDICUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIBAL CLIMATOLOGY BRANCH UNAFETAC AIR MEATHER SERVICE/MAC

2

### CEILING VERSUS VISIBILITY

1 - 147 RAMSTEIN AB DL

73-81

JUN -

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LOR TO STAT TE M ES

1800-2000

26 21 24 4 eo. 2 30° 100 

TOTAL NUMBER OF ORSERVATIONS 81

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT- WEATHER SERVICE/MAC

RAMSTEIN AB DL

## CEILING VERSUS VISIBILITY

1 :147 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET		USIBLET - STATUTE MILES														
	210	≥6	≥ 5	₫4	≥ 3	≥ 2	2.7	5	<u>2</u> 1.	2	≥ .	≥ .	:	25 %		≥.
- NO CEIUNG 1 ≥ 20000	38.9	43.2				44.6				45.1				45.4	45.9	45.9
	45.6	50.9	51.6							53.1			53.3	53.5	54.0	54.3
≥ 18000	45.8	51.1	:	52.2		52.8				53.3			53.6	53.7	54.2	54.2
	45.8	51.1								53.3		53.5	53.6	53.7	54.2	54.2
≥ 14000 ≥ 12000	46.4	51.7								54.0			54.2	54.3	54 . 8	54.8
	49.5		56.3	53.0						54.1			54.3	54.4	54.9	54.9
≥ 10000 ≥ 9000	49.8						58.3		58.5		58.6	58.6	58.8	58.9	59.5	59.5
			62.5	57.0					59.1		59.3	59.3	59.4	59.5	60.1	60.1
≥ 8000 3 > 7000	55.9		64.1		64.4		65.2		65.6		65.7		65.8	65.9	66.5	66.5
<u> </u>	55.9	62.5		64.6			66.8		67.2		67.3	67.3	67.4	67.5	68.1	68.1
: ≥ 6000 ≥ 5000	59.8	67.3	68.9	69.4	71.1		66.8		67.2		67.3	67.3	67.4	67.5	68.1	68.1
> 450C	65.3	77.8	75.4	76.2	78.1		71.9		72.2		72.3		72.5		73.2	
≥ 4000 ·	68.1	77.4	79.4	80.1	82.5	82.5	78.9 83.2	1	- 1				_		50.2	
> 3500	70.5	80.1	82.5	83.2	85.9		86.8	83.2		83.6				84.0	84.6	84.6
≥ 3000	72.6	82.8	85.7	86.4	89.8			90 4	91 0	87.2	81.2	87.3	87.4	87.5	88.1	88.1
≥ 2500	73.5	84.0	86.9	88.3	92.1	97.1	90.0	97. 3	91.0	91.0	A1 • 1	71.1	71.2	91.4	92.0	92.0
≥ 2000	74.7	85.2	88.1	89.8	93.8	03.0	95.4	95.4	96.0	96.2	94.0	94.0	74.1	74.2	94.8	
≥ 1800	74.8	85.3	88.3	90.0	94.1		95.8			96.4						
± 150€	75.1	85.8	88.9	90.7				07.4	97 0	98.0	70.5	00.5	70.1	70.5		
≥ 1200	75.3		89.3	91.1	95.8	95.8	97.0	07.0	00.4	98.5	90 4	7001	70.3	70.4	99.0	99.5
≥ '000	75.3	86.3	- 1	91.2	95.9	95.0	98.0	98.0	08.5	98.6	70.0	00.0	98.9		99.6	99.6
≥ 900	75.3	86.4	89.5			96.0				98.8					99.8	
≥ 800	75.3	86.4	89.5	91.4	96.0	- 1	1			98.9				99.3		
2 700	75.3	86.4	89.5	91.4	96.0		98.3	98.3					99.1		99.9	
≥ 600	75.3	86.4	89.5	91.4	96.0		98.3					1	99.1	99.3	99.9	
≥ 500	75.3	86.4	89.5	91.4	96.0							99.0			99.91	
. ≥ 400	75.3	86.4	89.5	91.4				1	1	98.9				99.3	99.91	
≥ 300	75.3	85.4	89.5	_ 1	96.0		1		98.8						99.91	
± 200	75.3	86.4	89.5	,	,	,	1	- 1	98.8						99.91	
≥ 100	75.3	86.4	89.5	91.4	96.0					98.9	99.0	99.0	99.1	99.3	99.91	00.0
≥ 0	75.3	86.4	89.5					98.3	98.8	98.9	99.0	99.0	99.1	99.3	99.91	00-0
											- ,				7797	

TOTAL NUMBER OF OBSERVATIONS \_\_\_

SLEPAL CLIMATOLOGY BRANCH JSAFETAC

#### CEILING VERSUS VISIBILITY

AT WEATHER SERVICE/MAC RAMSTEIN AB DL

. 500

73-61 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

\_ JUN ALL

. 27 - 28 - 23 - 24 - 2 - 22 - 27 - 27 - 27 -2 14 2 2 2 2 31.4 35.7 37.4 37.9 40.0 40.1 40.5 40.7 40.8 41.1 41.2 41.2 41.3 41.4 41.9 41.9 36.7 41.8 43.6 44.1 46.4 46.4 46.8 47.1 47.2 47.6 47.7 47.7 47.9 48.0 48.4 48.5 37.1 42.2 44.0 44.5 46.8 46.8 47.2 47.5 47.6 48.0 48.1 48.1 48.3 48.5 48.6 49.0 37.1 42.2 44.1 44.5 46.8 46.8 47.2 47.5 47.6 48.0 48.1 48.1 48.3 48.5 48.8 49.0 37.3 42.5 44.2 44.8 47.0 47.0 47.5 47.7 47.9 48.3 48.4 48.5 48.7 49.1 49.2 37.6 42.7 44.5 45.1 47.3 47.3 47.7 48.0 48.1 48.6 48.6 48.7 48.8 49.0 49.4 49.5 40.4 45.9 47.7 48.3 50.6 50.6 51.1 51.4 51.6 52.0 52.1 52.1 52.3 52.4 52.6 52.9 2000 3 2000 3 1000 41.0 46.5 43.4 49.0 51.5 51.5 52.1 52.3 52.5 52.9 53.0 53.1 53.2 53.4 53.8 54.0 45.2 51.3 53.4 54.0 57.0 57.0 57.6 57.8 58.0 58.5 58.6 58.6 58.8 59.0 59.4 59.5 46.1 52.4 54.5 55.2 58.2 58.3 58.8 59.1 59.3 59.8 59.9 59.9 60.1 60.3 60.7 60.9 45.4 52.7 54.8 55.6 58.6 58.6 59.2 59.4 59.7 60.2 60.2 60.3 60.4 60.6 61.0 61.2 . ' NK: - 600¢ 4 500C 49.4 56.5 58.7 59.5 62.7 62.8 63.4 63.6 63.8 64.4 64.5 64.5 64.7 64.9 65.3 65.5 52.4 60.4 62.9 63.8 67.2 67.3 67.9 68.2 68.4 69.0 69.1 69.1 69.3 69.5 70.0 70.2 57.4 65.7 68.4 69.4 73.2 73.3 73.9 74.2 74.4 75.0 75.1 75.2 75.4 75.6 76.0 76.2 61.8 73.5 74.6 78.7 78.8 79.6 79.9 80.1 80.8 80.9 80.9 81.1 81.3 81.8 82.0 > 450C 4.50K 3560 66.1 75.6 78.8 80.0 84.7 84.8 85.7 86.1 86.4 87.1 87.2 87.3 87.5 87.7 88.2 88.4 67.1 76.9 80.2 81.6 86.5 86.6 87.7 88.1 88.4 89.2 89.3 89.4 89.6 89.8 90.3 90.5 68.6 78.8 82.3 83.7 88.9 89.0 90.3 90.7 91.0 91.9 92.0 92.1 92.3 92.5 93.0 93.2 69.0 79.3 82.8 84.2 89.4 89.6 90.8 91.3 91.6 92.6 92.6 92.7 92.9 93.2 93.6 93.9 4.430 2500 2000 800 69.9 80.6 84.3 86.0 91.8 92.0 93.5 93.9 94.3 95.4 95.5 95.7 96.0 96.4 96.7 70.2 81.1 84.9 86.7 92.7 92.9 94.4 94.8 95.2 96.3 96.4 96.5 96.7 96.9 97.4 97.6 70.4 81.3 85.2 87.0 93.3 93.6 95.1 95.6 96.0 97.1 97.2 97.3 97.5 97.7 98.2 98.5 70.5 81.5 85.3 87.3 93.5 93.8 95.4 95.9 96.3 97.4 97.5 97.6 97.8 98.0 98.5 98.8 • 900 70.5 81.5 85.4 87.4 93.7 94.1 95.6 96.2 96.6 97.7 97.8 97.9 98.1 98.4 98.9 99.1 70.5 81.5 85.4 87.4 93.8 94.1 95.7 96.3 96.7 97.8 97.9 98.0 98.2 98.5 98.9 99.2 BUG 70.5 81.5 85.4 87.4 93.8 94.2 95.7 96.3 96.8 97.9 98.0 98.1 98.3 98.5 99.0 99.3 70.5 81.5 85.4 87.4 93.9 94.2 95.8 96.4 96.9 98.0 98.1 98.2 98.4 98.6 99.1 99.4 70.5 81.5 85.4 87.4 93.9 94.2 95.8 96.4 96.9 98.0 98.1 98.2 98.5 98.7 99.2 99.5 70.5 81.5 85.4 87.4 93.9 94.2 95.8 96.5 97.0 98.1 98.2 98.5 98.8 99.3 99.6

70.5 81.5 85.4 87.4 93.7 94.2 95.8 96.5 97.0 98.1 98.2 98.3 98.5 98.8 99.4 99.7 70.5 81.5 85.4 87.4 93.9 94.2 95.8 96.5 97.0 98.1 98.2 98.3 98.5 98.8 99.4100.C 70.5 81.5 85.4 87.4 93.9 94.2 95.8 96.5 97.0 98.1 98.2 98.3 98.5 98.8 99.4100.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 0-14-5 OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLESAL CLIMATOLOGY BRANCH ISAFETAC AL MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 147 RAMSTEIN AB DL

73-81

<u> วิกั</u> 0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEAN 5		INSTRUCTOR STATUTE MILES														
FEE .	5:0	≥ 6	≥ ·	* 4	2 3	27	2;	,	2 .	<u>.</u>	2 :	≥ .	;	25.75		≥.,
NO CE NO	43.3	49.0	57.7	51.6	53.0	53,1	53.6	53.8	53.9	54.3	54.3	54.3	54.3	54.5	54.8	54.9
	45.7	2701	23.2	74 J	23.4	20.0	56.5	20.7	57.1	57.4	57.5	57.5	57.5	57.9	58.1	58.3
≥ 18000 ≥ 16000	45.a	C1 B	53.6	54 4	20.0	20.1	56.6	5/.1	5/02	5/•5	5/./	57.7	57.7	58.0	58.3	58 • 4
	42.4	E7 1	22.0	27.7 E6 7	20 · U	20.1	56.8	2/01	5/02	5/05	51.1	5/0/	5/0/	28.0	58.3	58.4
≥ 1400°. ≥ 17600	46.7	52.2	57.0	54.0	2004 E4 E	20,3	56.9	57 4	57 =	57.0	5149	57.9	57.9	58.3	58.5	
	47.7	52.7	55.6	54.5	E0.11	E 6 - C	58.6	50 1	50 3	50.4	50 7	50.3	28 + 0	28.4	58.6	58.7
2 OKK	48.0	54.1	56.0	56.8	58.8	SR E	59.0	50.4	50.4	50 0	57 · /	40 0	59 - 7	60.0	60.3	60.4
• 900 d	53.6	60.0	67.7	64.2	66.1	66.8	66.7	67.3	47.7	47 7	47 8	47 0	47 0	60.4	20 + D	00.8
2 000 5 5 0 8 4	54.3	61.6	64.0	65.1	67.0	67.1	67.6	68.1	68.2	68.5	69.7	60.7	40 7	40 0	40 7	60 4
	54.7	62.0	64.4	65.4	67.3	67.5	67.9	68.8	68.5	48.0	69.0	40.7	40.0	60 h	27.3	40 7
• • • •	58.4	66.3	68.7	69.9	71.8	71.9	72.4	72.8	73.0	73.3	73.4	77.4	77.4	77 0	74 0	74 7
- <b>4</b> 5.4	63.2	71.3	74.3	75.6	77.6	77.8	78.2	78.7	78.8	79.2	79.3	70.3	70.3	79.7	70.0	80.2
4.66	65.6	73.7	77.0	78.3	80.5	80.6	81.1	81.6	81.7	82.1	82.2	82.2	87.7	82.5	82.8	82.9
- 150x	68.2	76.7	80.3	81.6	83.7	83.9	84.3	84 . 8	84.9	85.3	85.4	85.4	85.4	85.8	86.0	86.1
3- <b>3</b> -30-4	69.6	78.8	82.9	84.3	86.8	87.0	87.8	88.4	88.5	89.0	89.1	89.1	89.1	89.5	89.7	89.8
25,01	70.7	80.3	84.3	85.9	88.4	88.5	89.4	90.0	90.1	90.6	90.7	97.7	90.7	91.0	91.3	91.4
2 2 KM	71.8	81.5	85.6	87.4	90.0	90.1	90.9	91.5	91.6	92.1	92.2	92.2	92.2	92.6	92.8	92.9
1800	71.9	81.6	85.8	87.6	90.1	90.2	91.0	91.6	91.7	92.2	92.3	92.3	92.3	92.7	92.9	93.1
≥ 1500	72.7	83.1	87.3	89.2	91.9	92.0	92.8	93.4	93.5	94.0	94.1	94.1	94.1	94.5	94.7	94.9
≥ 1200	73.8	84.7	89.0	90.9	93.8	93.9	94.9	95.5	95.6	96.1	96.2	96.2	96.2	96.5	96.8	96.9
£ 1900	74.2	35.Q	89.4	91.3	94.5	94.6	95.6	96.2	96.5	97.2	97.4	97.4	97.4	97.7	98.0	98.1
≥ 900	74.2	85.7	89.4	91.3	94.6	94.9	95.8	96.4	96.8	97.5	97.6	97.6	97.6	98.0	98.2	98.3
≥ 800	74.5	85.4	89.7	91.6	95.0	95.2	96.2	96 . 8	97.1	97.8	98.0	98.0	98.0	98.3	98.6	98.7
2 700	74.5	85.5	89.8	91.9	95.3	95.6	96.5	97.1	97.5	98.2	98.3	98.3	98.4	98.8	99.0	99.2
≥ 500°	74.5	85.5	89.8	91.9	95.3	95.6	96.5	97.1	97.5	98.2	98.3	98.3	98.4	98.8	99.0	99.2
500	74.6	85.6	90.0	92.1	95.7	95.9	97.0	97.6	98.0	98.7	98.8	98.8	98.9	99.3	99.5	99.6
≥ 400	74.6	85.6	90.0	92.1	95.7	95.9	97.1	97.7	98.1	98.8	98.9	98.9	99.0	99.4	99.6	99.8
2 300	74.6	85.6	90.0	92.1	95.7	95.9	97.1	97.7	98.1	98.8	90.9	98.9	99.0	99.4	99.6	99.8
£ 100	74.6	85.6	90.0	92.1	95.7	95.9	97.1	97.7	98.1	98.8	98.9	98.9	99.0	99.4	99.6	99.8
> 00.	74.6	85.6	90.0	92.1	95.7	95.9	97.1	97.7	98.1	98.8	98.9	98.9	99.0	99.4	99.91	00.0
2 0	74.6	85.6	90.0	92.1	95.7	95.9	97.1	97.7	98.1	98.8	98.9	98.9	99.0	99.4	99.91	00.7

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 140 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL/9AL CLIMATOLOGY BRANCH G'AFETAC A1 MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 147 RAMSTEIN AB OL

73-81

2**330-**8500

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2 • • 4 2 3 \* 22.7 29.7 34.1 36.6 42.3 42.8 43.8 44.0 44.4 45.5 45.6 45.6 45.6 46.1 46.4 47.2 47.3 24.7 32.0 36.3 38.9 44.8 45.3 46.4 46.6 47.1 48.1 48.1 48.3 48.6 49.0 49.9 50.1 25.1 32.3 35.6 39.2 45.6 46.7 47.0 47.4 48.5 48.5 48.6 49.0 49.3 50.3 50.4 25.1 32.3 36.6 39.2 45.2 45.6 46.7 47.0 47.4 46.5 48.5 48.6 49.0 49.3 50.3 50.4 25.2 32.5 36.8 39.4 45.4 45.9 47.0 47.2 47.7 48.7 48.7 48.9 49.2 49.6 50.5 50.7 1904 25.4 32.7 37.1 39.7 45.6 46.1 47.2 47.4 47.9 49.0 49.0 49.1 49.5 49.8 50.8 50.9 27.5 34.9 39.3 42.2 48.4 46.9 49.9 50.3 50.8 51.9 51.9 52.0 52.3 52.7 53.6 53.8 28.1 35.5 39.9 42.9 49.1 49.6 50.7 51.0 51.5 52.6 52.6 52.7 53.7 53.4 54.4 54.5 31.5 40.8 44.7 47.7 54.5 55.0 56.8 57.2 58.3 58.3 58.4 58.8 59.1 60.1 60.3 32.1 40.6 45.3 48.4 55.3 55.8 57.1 57.6 58.1 59.3 59.3 59.4 59.7 60.1 61.1 61.3 32.6 41.1 45.9 49.0 55.9 56.4 57.7 58.2 58.7 59.9 59.9 60.0 60.3 60.7 61.6 61.9 35.2 44.4 49.8 52.9 6C.1 60.6 62.0 62.5 63.1 64.3 64.3 64.4 64.8 65.1 66.1 66.3 40.6 50.4 56.2 59.4 67.0 67.5 69.2 69.7 70.3 71.4 71.4 71.6 71.9 72.3 73.2 73.5 44.1 54.4 63.2 63.4 71.4 71.9 73.7 74.2 74.9 76.1 76.2 76.6 77.1 78.0 78.3 46.4 57.2 63.3 66.8 75.0 75.5 77.3 77.8 78.6 79.8 79.9 80.3 60.8 81.7 82.0 5000 4000 49.2 60.7 67.1 71.0 79.6 80.0 82.2 82.7 83.5 84.7 84.8 84.9 85.3 95.8 86.7 87.0 50.4 61.9 68.5 72.2 80.8 81.2 83.4 83.9 84.7 85.9 86.0 86.1 86.5 87.0 67.9 88.2 51.1 62.6 69.2 72.9 81.5 82.1 84.2 84.7 85.5 86.9 87.0 87.1 87.5 87.9 88.9 89.1 51.4 63.0 69.5 73.2 81.8 82.4 84.6 85.1 85.9 87.2 87.3 87.5 87.8 88.3 89.2 89.5 53.3 65.6 72.0 76.5 85.3 85.9 88.3 88.8 89.6 90.9 91.0 91.3 91.6 92.1 93.1 93.3 54.5 66.9 74.4 78.4 87.3 87.9 90.3 90.8 91.6 93.0 93.1 93.3 93.7 94.1 95.1 95.3 54.5 66.9 74.4 78.4 87.5 88.1 90.6 91.0 92.0 93.5 93.8 94.0 94.4 94.9 95.8 96.1 54.6 67.3 74.9 78.9 87.9 88.6 91.2 91.8 92.7 94.3 94.5 94.7 95.1 95.6 96.5 96.9 55.1 67.6 75.1 79.2 88.3 89.0 91.6 92.2 93.2 94.7 95.0 95.2 95.6 96.1 97.0 97.4 55.1 67.9 75.6 79.6 88.8 89.5 92.2 92.8 93.8 95.3 95.6 95.8 96.2 96.7 97.6 98.0 706 55.0 67.9 75.6 79.6 88.8 89.5 92.2 92.8 93.8 95.3 95.6 95.8 96.2 96.7 97.6 98.0 55.3 67.9 75.6 79.6 88.8 89.5 92.6 93.2 94.1 95.8 96.1 96.3 96.7 97.1 98.2 98.9 55.1 68.0 75.7 79.7 88.9 89.6 92.7 93.3 94.3 95.9 96.3 96.5 97.0 97.5 98.6 99.5 55.1 68.0 75.7 79.7 88.9 89.6 92.7 93.3 94.3 95.9 96.3 96.5 97.0 97.5 98.7100.0

TOTAL NUMBER OF OBSERVATIONS

837

USAF ETAC ..... 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISOLETE

SLUBAL CLIMATOLOGY BRANCH WINTERAC ATE WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 3.14% RAMSTEIN AB DL 73-81

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

. S.B. 1 - STA1 TE M ES 20 26 25 34 44 22 27 27 27 27 27 27 27 28 24 24 27 27 27 27 17.3 22.1 24.1 26.6 34.4 34.6 35.6 36.4 36.6 37.9 38.0 38.0 38.0 38.0 38.5 38.8 17.3 22.1 24.1 26.6 34.4 34.6 35.6 36.4 36.6 37.9 38.0 38.0 38.0 38.0 38.0 38.5 38.8 18.2 23.2 25.4 28.2 37.0 37.3 38.5 39.3 39.4 40.7 40.9 40.9 40.9 40.9 41.3 41.7 18.6 23.7 25.9 28.8 37.6 37.9 39.1 39.9 40.0 41.3 41.5 41.5 41.5 41.5 41.5 41.9 42.3 18.6 23.7 25.9 28.8 37.6 37.9 39.1 39.9 40.0 41.3 41.5 41.5 41.5 41.5 41.5 41.9 42.3 19.1 24.1 26.4 29.3 38.1 38.4 39.5 40.4 40.5 41.8 41.9 41.9 41.9 41.9 42.4 42.8 19.6 24.7 27.2 30.2 39.1 39.3 40.5 41.3 41.5 42.8 42.9 42.9 42.9 42.9 43.4 43.7 21.9 27.4 30.0 33.0 42.3 42.5 43.7 44.8 44.9 46.2 46.5 46.5 46.5 46.6 47.1 47.4 23.5 29.2 31.8 34.8 44.1 44.3 45.5 46.6 46.7 48.0 48.3 43.3 48.3 48.4 48.9 49.2 чжц \* 1000 Ca 26.7 33.2 36.6 39.8 49.9 50.2 51.7 53.2 53.5 55.2 55.4 55.4 55.4 55.8 56.3 56.5 80xX 27.8 34.4 38.0 41.5 51.7 52.0 53.6 55.1 55.4 57.1 57.3 57.3 57.3 57.7 58.2 58.5 28.3 34.9 38.6 42.1 52.3 52.6 54.2 55.7 56.0 57.7 57.9 57.9 57.9 58.3 58.8 59.1 30.7 37.6 41.5 45.0 56.0 56.3 57.9 59.4 59.7 61.4 61.6 61.6 61.6 62.7 62.5 62.8 33.3 41.3 45.5 49.5 61.1 61.4 63.3 64.8 65.1 66.8 67.0 67.0 67.0 67.4 67.9 68.2 4500 ≥ 4000 2 4000 36.1 45.0 57.1 54.2 66.4 66.9 68.8 70.3 70.7 72.8 73.0 73.0 73.0 73.6 74.1 74.4 2 35.0 39.3 49.1 54.6 58.8 71.9 72.4 74.4 76.0 76.5 78.7 79.0 79.0 79.0 79.6 80.0 80.4 2 3000 42.5 52.7 58.7 62.8 76.2 76.7 78.9 80.5 81.0 83.3 83.8 83.8 83.8 84.3 84.8 85.2 250u 2000 43.6 54.4 60.1 64.3 77.8 78.3 80.4 82.1 82.6 84.8 85.3 85.3 85.3 85.9 86.4 86.7 44.4 55.2 60.9 65.2 79.1 79.6 81.7 83.4 83.9 86.1 86.6 86.6 86.6 87.2 87.7 88.1 44.6 55.4 61.2 65.5 79.3 79.8 82.0 83.6 84.1 86.4 86.9 86.9 86.9 87.5 87.9 88.3 1800 2 1000 47.0 58.5 64.5 69.2 83.6 84.3 86.5 88.4 89.1 91.5 92.0 92.0 92.0 92.0 93.1 93.4 2 1200 47.9 59.7 65.7 70.5 85.2 85.9 88.2 90.1 91.0 93.4 93.9 93.9 93.9 94.5 95.0 95.3 2 1000 48.5 60.3 66.5 71.4 86.7 87.5 89.7 91.6 92.6 95.1 95.6 95.6 95.6 96.2 96.7 97.0 900 48.6 60.5 66.7 71.6 87.1 87.9 90.2 92.2 93.2 95.7 96.2 96.2 96.2 96.8 97.3 97.6 2 800 48.6 60.5 66.9 71.8 87.3 88.2 90.4 92.5 93.4 95.9 96.4 96.4 97.6 97.5 97.8 97.2 97.0 48.6 60.5 66.9 71.8 87.3 88.8 91.2 93.2 94.1 96.7 97.1 97.1 97.1 97.7 98.2 98.6 2 500 48.6 60.5 66.9 71.8 87.6 88.9 91.3 93.3 94.3 96.8 97.3 97.3 97.3 97.8 98.3 98.7 ≥ 500 ≥ 400 48.6 60.5 66.9 71.8 87.6 88.9 91.3 93.3 94.3 96.9 97.4 97.4 97.4 98.0 98.4 98.8 48.6 60.5 66.9 71.8 87.6 88.9 91.3 93.3 94.3 96.9 97.5 97.5 97.5 98.1 98.6 99.3 300 48.6 60.5 66.9 71.8 87.6 88.9 91.3 93.3 94.3 96.9 97.6 57.6 97.6 98.2 98.7 99.8 48.6 60.5 66.9 71.8 87.6 88.9 91.3 93.3 94.3 96.9 97.6 97.6 97.6 98.2 98.7 99.9 48.6 60.5 66.9 71.8 87.6 88.9 91.3 93.3 94.3 96.9 97.6 97.6 97.6 98.2 98.7100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 147 RAMSTEIN AB DL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0930-1100

21.00% 80K,C 15000 2 4990 2008 5 H; 300 

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLOBAL CLIMATOLOGY BRANCH SCAFETAC AT WEATHER SERVICE/MAC

1 + 143

## CEILING VERSUS VISIBILITY

RAMSTEIN AB OL 73-81 THE REAL PERCENTAGE FREQUENCY OF OCCURRENCE

1200-1400

210 26 25 24 23 22 32 2 (4 ) 2 (4 ) 2 (4 ) 2 (4 ) 25 (5 ) 3 (4 ) 100 K K 2000 - 0000C 2 350C 300G ± 2500 ± 2000 ≥ 1200 ≥ 1000 900 ≥ 800 200 600 > 500 84.8 92.6 94.4 95.1 99.3 99.4 99.5 99.6 100.0 10 2 300 2 200 84.8 92.6 94.4 95.1 99.3 99.4 99.5 99.6100.0100.0100.0100.0100.0100.0100.0 84.8 92.6 94.4 95.1 99.3 99.4 99.4 99.5 99.6100.0100.0100.0100.0100.0100.01

FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC ..... 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECRAL CLIMATOLOGY BRANCH USAFETAC ALE WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

1 .140 RAMSTEIN AB OL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1530-1790

C. e4 C. e4 C. e4 C. e4 D. e4 D. e4 D. e4 D. e4 D. e4 D. e4 D. e4 D. e4 d. e4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 45UC 35(A) 2001 2 1500 120 ≥ 1704 2 000 <u>-</u> 800 700 < 600 SÚK: 2 300 200 

USAF ETAC ... 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECRAL CLIMATOLOGY BRANCH ISAFETAC ATH WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 140 RAMSTEIN AB DL

73-91

1600-2000

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS 83

USAF ETAC ..... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 -143 RAMSTEIN AB DL STATE HALL 73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

								alinia Ny faranta						*		
€ ,184 v 898 - *																
*11.5	≥ .0	≥ ¢	≥ :	2.4	23	<i>:</i> :	··.	\$	2		•	•		:: :		2
N/ Friend	45.4	49.3	49.6	49.9	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.3	57.8	50.8	50.8	53.9
2 an	49.5	53.8	54.2	54.6	55.2	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.9	55.9	56.3
≥ 18101	49.3	54.1	54.6	55.0	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.2	56.2	56.3	56.3	56.4
≥ 5° a°													56.3			
3 4noc	50.1	54.4	54.8	55.2	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.5	56.5	56.6
± 120,00													56.9		57.0	57.1
- trajari		57.0											59.7	_	59.9	
≥ 2/d k.						- 1							67.6			
× 8000			- ;			- 1							67.6			
≥ 700C		64.9											68.9			
± 6000.	60.8	65.8	66.8										69.9			
2 5000													7,5			76.7
3 4500 4000	69.7 73.8												81.d			
· · ·													86.5		86.6	86.7
≥ 3500 ≥ 3000		85.5	87.3										89.2			
· · — · · · · · · · · · · · · · · · · ·	7	86.3											93.2			
≥ 2500 ≥ 2000													94.1			
													96.3			
500 ± 1500													97.5			
													98.2			
2 1200 2 1000													79.0			
	7		i		1								99.2			
. 80X	80.9	,		,		,	-1		-				99.4			
- 700	80.5				<u> </u>								99.5			
2 500	80.5		1	1	1	- ;	- :	1				•	99.5			
500	80.5												99.8			
≥ 400	30.5												99.8			
300	80.5	89.7	91.6	93.8	96.9	97.4	99.2	99.5	99.5	99.6	99.6	99.8	99.8	99.9	99.91	00.0
2 200	80.5			93.8									99.8			
	80.5												99.8			
. 2 0	80.5	89.7	91.6	93.8	96.9	97.4	99.2	99.5	99.5	99.6	99.6	99.8	99.8	99.9	99.91	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 1 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SUBBAL CLIMATOLOGY BRANCH
SEAFETAC
ALL WEATHER SERVICE/MAC

RAMSTEIN AB DL

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

31.5 35.6 36.9 37.8 40.1 40.3 40.6 40.7 40.8 41.2 41.2 41.2 41.3 41.3 41.3 41.5 41.6 36.1 40.5 41.9 43.0 45.4 45.6 46.0 46.2 46.3 46.6 46.7 46.7 46.7 46.8 47 47.1 36.5 41.0 42.3 43.5 45.9 46.1 46.5 46.7 46.8 47.1 47.2 47.2 47.2 47.3 47.6 47.6 20000 ≥ 1800€ 36.5 41.3 42.4 43.5 46.0 46.2 46.5 46.7 46.8 47.2 47.2 47.2 47.3 47.4 47.6 47.7 36.8 41.3 42.7 43.8 46.3 46.5 46.8 47.1 47.1 47.5 47.5 47.5 47.6 47.7 47.9 46.0 \$ 15000 ± 14000 2 12000 37.2 41.7 43.1 44.3 46.8 47.0 47.3 47.6 47.6 48.0 48.0 43.1 48.1 48.2 48.4 48.5 39.8 44.5 46.0 47.2 49.9 50.2 50.5 50.8 50.9 51.2 51.3 51.3 51.4 51.5 51.7 51.8 40.8 45.6 47.1 48.3 51.1 51.3 51.7 51.9 52.0 52.4 52.4 52.4 52.5 52.6 52.8 52.9 45.8 51.3 52.9 54.4 57.6 57.8 58.3 58.7 58.8 59.2 59.2 59.3 59.3 59.5 59.7 59.8 47.1 52.7 54.4 56.0 59.2 59.5 60.0 60.3 60.5 60.9 60.9 60.9 61.0 61.1 61.3 61.4 48.1 53.7 55.4 57.0 60.3 60.5 61.0 61.4 61.5 61.9 62.0 62.0 62.0 62.2 62.4 62.5 2000 5000 T 52.4 58.4 60.3 61.9 65.3 65.5 66.1 66.5 66.7 67.1 67.2 67.2 67.2 67.4 67.6 67.7 56.5 63.0 65.2 66.9 70.5 70.8 71.5 71.9 72.0 72.4 72.5 72.5 72.6 72.7 72.9 73.0 60.8 67.9 70.2 72.0 76.0 76.2 76.9 77.3 77.5 78.0 78.0 78.1 78.1 78.3 78.5 78.6 64.7 72.3 75.7 76.9 81.2 81.4 82.2 92.6 82.8 83.3 83.3 83.4 83.4 83.6 83.8 83.9 68.6 76.9 79.8 81.7 86.4 86.7 87.6 88.1 88.3 88.9 88.9 89.0 89.0 89.2 89.4 89.5 70.2 78.6 81.5 83.5 88.3 88.6 89.5 90.0 9.2 90.7 90.8 90.8 90.9 91.1 91.3 91.4 3000 71.6 80.2 83.2 85.3 90.2 91.5 91.4 91.9 92.2 92.7 92.8 92.8 92.9 93.1 93.3 93.4 71.9 80.5 83.6 85.7 91.6 90.9 91.9 92.3 92.6 93.1 93.2 93.2 93.3 93.5 93.7 93.8 73.1 82.1 85.4 87.6 92.8 93.1 94.1 94.6 94.9 95.4 95.5 95.6 95.6 95.8 96.0 96.1 73.7 82.9 86.3 88.6 94.0 94.3 95.4 95.9 96.2 96.8 96.8 96.9 96.9 97.1 97.3 97.4 2000 1800 50c 73.9 83.2 86.7 89.1 94.8 95.1 96.3 96.8 97.1 97.7 97.8 97.9 97.9 98.1 98.3 98.4 74.0 83.2 86.8 89.1 95.0 95.4 96.5 97.0 97.4 98.0 98.1 98.2 98.2 98.4 98.6 98.7 74.1 83.3 86.9 89.3 95.1 95.5 96.7 97.3 97.6 98.3 98.4 98.4 98.4 98.6 98.8 99.0 74.1 83.4 87.7 89.4 95.3 95.8 97.0 97.5 97.9 98.5 98.6 98.7 98.7 98.9 99.1 99.2 906 700 74.1 83.4 87.1 89.4 95.4 95.8 97.0 97.6 97.9 98.6 98.7 98.7 98.8 99.0 99.2 99.3 74.1 83.4 87.0 89.4 95.4 95.9 97.2 97.7 98.1 98.8 98.9 98.9 99.0 99.2 99.4 99.5 74.1 83.4 87.0 89.4 95.4 95.9 97.2 97.8 98.1 98.8 98.9 99.0 99.0 99.2 99.4 99.6 74.1 83.4 87.0 89.4 95.4 95.9 97.2 97.8 98.1 98.8 99.0 99.0 99.1 99.3 99.5 99.7 74.1 83.4 87.0 89.4 95.4 95.9 97.2 97.8 98.1 98.9 99.0 99.1 99.3 99.5 99.8 74.1 83.4 87.0 89.5 95.4 95.9 97.2 97.8 98.1 98.9 99.0 99.1 99.1 99.3 99.6 99.9 74.1 83.5 87.1 89.5 95.5 95.9 97.3 97.8 98.2 98.9 99.1 99.1 99.2 99.4 99.6100.0

73-81

TOTAL NUMBER OF OBSERVATIONS 6695

USAF ETAC 34 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL. FAL CLIMATOLOGY BRANCH USAFETAC

AIR MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 14"

RAMSTEIN AB DL

AUG

73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

U000-0200

39.6 47.9 51.5 54.4 58.2 59.0 59.9 60.1 60.3 61.1 61.3 61.3 61.5 62.4 62.6 63.2 41.7 51.3 55.4 58.4 62.2 63.1 63.9 64.2 64.4 65.1 65.4 65.4 65.6 66.5 66.8 67.4 41.1 51.4 55.6 58.5 62.4 63.2 64.0 64.3 64.5 65.2 65.5 65.5 65.7 66.7 66.9 67.5 41.1 51.4 55.6 58.5 62.4 63.2 64.3 64.5 65.2 65.5 65.5 65.7 66.7 66.9 67.5 41.3 51.6 55.8 58.8 62.6 63.4 64.3 64.5 64.8 65.5 65.7 65.7 65.7 66.9 67.1 67.7 41.9 52.3 56.5 59.5 63.3 64.2 65.0 65.2 65.5 66.2 66.4 66.4 66.7 67.6 67.9 66.5 43.4 54.0 53.2 61.3 65.9 66.9 67.6 67.9 68.2 68.9 69.2 69.2 69.4 70.4 70.6 71.2 43.4 54.0 53.2 61.3 65.9 66.9 67.6 67.9 68.2 68.9 69.2 69.2 69.2 69.4 78.4 78.6 71.2 43.6 54.4 58.5 61.6 66.3 67.1 68.0 68.2 68.6 69.3 69.5 69.5 69.8 70.7 71.0 71.7 46.8 57.8 62.1 65.5 70.3 71.1 71.9 72.2 72.5 73.4 73.6 73.6 73.8 74.8 75.0 76.0 47.1 58.1 62.4 65.7 70.5 71.3 72.2 72.4 72.8 73.6 73.8 73.8 74.1 75.0 75.3 76.2 47.4 58.4 62.7 66.1 70.8 71.7 72.5 72.8 73.1 74.0 74.2 74.2 74.4 75.4 75.6 76.6 49.1 60.5 64.8 68.2 73.2 74.1 74.9 75.1 75.5 76.5 76.7 76.7 77.2 78.1 78.5 79.5 51.1 63.7 68.2 71.7 76.7 77.8 79.0 79.2 79.6 80.5 80.8 80.8 81.2 82.2 82.6 83.6 54.7 87.8 51.1 63.7 68.2 71.7 76.9 77.8 79.0 79.2 79.6 80.5 80.8 80.8 81.2 82.2 82.6 83.6 54.5 67.0 71.7 75.3 80.9 81.7 83.2 83.4 83.9 84.7 84.9 84.9 85.4 86.4 86.7 87.8 55.3 68.0 72.6 76.2 81.8 82.7 84.1 84.1 84.7 85.7 85.9 85.9 86.4 87.3 87.7 88.8 56.6 69.7 74.6 78.1 84.5 85.3 87.3 88.2 88.5 89.6 89.8 89.8 90.3 91.3 91.6 92.8 57.1 70.1 75.1 78.7 85.7 86.5 88.5 89.4 89.7 90.8 91.0 91.0 91.5 92.5 92.8 94.0 57.8 70.8 76.0 79.7 86.7 87.6 89.6 90.4 90.8 91.9 92.1 92.1 92.6 93.5 93.9 95.1 78.7 78.7 88.8 88.1 90.1 90.9 91.3 92.4 92.6 92.6 93.1 94.3 94.4 95.6 98.8 72.0 77.7 81.5 89.1 90.0 92.2 93.1 93.5 94.7 95.0 95.3 95.5 96.4 96.8 98.3 58.8 72.0 77.7 81.5 89.1 90.0 92.4 93.2 93.7 95.0 95.2 95.7 96.7 97.0 98.2 59.1 72.4 78.1 81.8 89.5 90.1 92.7 93.5 94.1 95.6 95.8 95.8 96.3 97.3 97.6 98.8 59.1 72.4 78.1 81.8 89.5 90.1 92.7 93.5 94.1 95.6 95.8 95.8 96.3 97.3 97.6 98.8 59.1 72.4 78.3 81.8 89.6 90.4 92.8 93.7 94.3 95.7 95.9 95.9 96.4 97.4 97.7 98.9 59.1 72.4 78.3 81.8 89.6 90.4 92.8 93.7 94.3 95.7 95.9 95.9 96.4 97.4 97.7 98.9 59.1 72.4 78.0 81.8 89.6 90.4 93.1 93.9 94.5 95.9 96.2 96.2 96.7 97.6 98.0 99.2

59.1 72.4 78.0 81.8 89.6 90.4 93.1 93.9 94.5 95.9 96.2 96.2 96.7 97.6 98.0 99.2

59.1 72.4 78.0 81.8 89.6 90.4 93.1 93.9 94.5 95.9 96.2 96.2 96.7 97.6 98.0 99.2

59.1 72.4 78.1 82.0 89.7 90.6 93.2 94.0 94.6 96.1 96.3 96.3 96.8 97.7 98.1 99.3 57.1 72.4 78.1 82.0 89.7 90.6 93.2 94.0 94.6 96.1 96.3 96.3 96.8 97.7 98.1 99.3 59.1 72.4 78.1 82.0 89.7 90.6 93.2 94.0 94.6 96.1 96.3 96.8 97.7 98.2 99.4 59.1 72.4 78.1 82.0 89.7 90.6 93.2 94.0 94.6 96.1 96.3 96.3 96.8 97.7 98.8130.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A MEVIOUS EXTENS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH CHEETAC AT MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 '14" RAMSTEIN AB DL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS: \_\_\_\_\_

186 th stat 6 8 3

0300-0500

21 26 25 24 22 28.1 35.1 47.4 42.6 50.6 50.7 52.3 54.1 54.3 56.8 57.3 57.7 57.7 59.1 67.0 51.7 29.1 36.5 41.8 44.0 52.3 52.5 54.2 56.0 56.2 58.8 59.4 59.7 59.8 61.3 62.1 63.2 29.1 36.5 41.8 44.0 52.3 52.5 54.2 56.0 56.2 58.8 59.4 59.7 59.8 61.3 62.1 63.2 29.1 36.5 41.8 44.0 52.3 52.5 54.2 56.0 56.2 58.8 59.4 59.7 59.8 61.3 62.1 63.2 29.1 36.5 41.8 44.0 52.3 52.5 54.2 56.0 56.2 58.8 59.4 59.7 59.8 61.3 62.1 63.2 2 8/16 29.3 36.6 42.7 44.1 52.4 52.6 54.3 56.1 56.4 58.9 59.5 59.8 60.0 61.4 62.2 63.3 2 2 6 30.0 37.4 42.8 45.0 53.2 53.5 55.3 57.1 57.3 59.8 60.4 60.8 60.9 62.4 63.2 64.3 30.3 38.4 44.1 46.3 55.8 56.0 57.8 59.7 60.0 62.5 63.1 63.4 63.5 65.0 65.8 66.9 30.6 38.7 44.5 46.9 56.4 56.6 58.4 60.3 60.6 63.1 63.7 64.0 64.1 65.6 66.4 57.5 33.0 42.6 48.7 51.3 61.0 61.4 63.2 65.1 65.3 67.9 68.5 69.8 68.9 70.5 71.3 72.4 33.1 42.9 49.2 51.8 61.5 61.9 63.7 65.6 65.8 68.3 68.9 69.3 69.5 71.1 71.9 73.0 33.1 42.9 49.2 51.8 61.5 61.9 63.7 65.6 65.8 68.3 68.9 69.3 69.5 71.1 71.9 73.0 33.9 44.4 50.7 53.5 63.3 63.8 65.6 67.5 67.7 70.3 70.9 71.2 71.7 73.3 74.1 75.2 35.0 46.2 52.9 55.8 65.7 66.3 68.2 70.1 70.5 73.3 73.9 74.2 74.7 76.3 77.1 78.2 36.9 48.0 55.0 57.9 68.3 68.9 71.1 73.1 73.5 76.3 76.9 77.2 77.7 79.3 80.1 81.2 37.4 49.2 56.4 59.2 7.1 70.9 73.0 75.1 75.4 78.2 79.8 79.1 79.7 81.3 82.1 83.2 3500 39.3 51.3 58.9 61.8 73.4 74.5 77.2 79.7 80.1 82.9 83.5 83.8 64.4 86.0 86.8 88.7 40.2 52.3 59.8 62.7 74.6 75.7 78.4 80.9 81.3 84.1 84.7 85.0 85.6 87.2 88.0 89.2 ± 2500 40.9 53.2 61.2 64.0 76.4 77.5 80.2 82.9 83.2 86.2 86.8 87.2 87.8 89.3 90.2 91.4 41.4 53.7 61.6 64.5 77.0 78.1 80.8 83.5 83.8 86.8 87.4 87.8 88.4 89.9 90.8 92.0 2 1500 42.2 54.7 62.9 66.3 79.4 81.5 83.2 85.9 86.6 89.6 90.2 90.5 91.1 92.7 93.5 94.7 2 1200 42.6 55.0 63.3 66.7 79.9 80.9 83.8 86.5 87.2 90.5 91.1 91.5 92.1 93.6 94.5 95.7 2 1000 42.7 55.2 63.4 66.9 80.1 81.2 84.1 86.7 87.4 90.9 91.5 91.8 92.6 94.1 95.1 96.3 960 42.8 55.3 63.7 67.1 80.5 81.5 84.4 87.1 87.8 91.2 91.8 92.2 92.9 94.5 95.4 96.6 2 800 42.9 55.4 63.8 67.3 80.6 81.7 84.5 87.2 87.9 91.4 92.0 92.3 93.0 94.6 95.6 96.8 3 7.00 43.1 55.5 63.9 67.4 83.7 81.8 84.7 87.3 88.0 91.5 92.1 92.4 93.2 94.7 95.7 96.9 2 60C 43-2 55-6 64-0 67-5 80-8 81-9 85-1 87-8 88-5 92-0 92-6 92-9 93-6 95-2 96-2 97-4 43.2 55.6 64.1 67.5 80.8 81.9 85.1 87.8 88.5 92.1 92.7 93.0 93.8 95.3 96.3 97.5 43.2 55.6 64.0 67.5 80.8 81.9 85.1 87.8 88.5 92.1 92.7 93.0 93.8 95.3 96.3 97.5 43.2 55.6 64.0 67.5 80.8 81.9 85.1 87.8 88.6 92.3 92.9 93.3 94.0 95.6 96.5 97.7 : 500 : 400 43.2 55.6 64.0 67.5 80.8 81.9 85.1 87.9 88.6 92.3 92.9 93.3 94.0 95.6 96.5 98.2 43.2 55.6 64.0 67.5 80.8 81.9 85.1 87.9 88.6 92.4 93.0 93.4 94.1 95.8 96.8 99.3 43.2 55.6 64.0 67.5 80.8 81.9 85.1 87.9 88.6 92.7 93.3 93.6 94.5 96.3 97.5100.0

TOTAL NUMBER OF OBSERVATIONS ..

USAF ETAC - 4 0-14-5 (QL A) MENOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL.FAL CLIMATOLOGY BRANCH LS4FETAC AS MEATHER SERVICE/MAC

2

## CEILING VERSUS VISIBILITY

1 147 RAMSTEIN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

Linguist Charling William

0600-0800

\_\_\_\_\_\_ 19.2 23.1 25.8 27.4 36.4 37.3 40.3 42.4 43.4 44.9 45.0 45.2 45.3 4. 46.6 47.3 22.4 21.1 25.3 28.2 30.3 39.9 41.0 44.2 46.5 47.8 49.7 49.8 50.1 50.2 51.. 52.1 53.0 2 20.1 25.4 28.3 30.5 40.0 41.1 44.3 46.6 47.9 49.8 49.7 50.2 50.3 51.3 52.2 53.2 21.3 25.4 28.3 30.5 40.0 41.1 44.3 46.6 47.9 49.8 30.9 50.2 70.3 51.3 52.2 53.2 21.3 25.7 28.6 30.7 40.6 41.7 44.9 47.2 48.5 50.4 42.5 50.8 20.9 51.9 52.8 53.8 21.9 26.0 25.9 31.1 41.2 42.3 45.5 47.8 49.1 51.3 51.3 51.5 51.6 52.6 53.5 54.5 22.0 26.8 29.9 32.3 42.5 43.6 47.0 49.3 50.7 52.6 52.9 53.2 53.3 54.2 55.2 56.2 22.3 27.1 30.2 32.6 43.5 44.6 47.9 50.3 51.7 53.6 54.7 54.2 54.4 55.3 56.3 57.2 25.3 30.7 34.4 37.2 49.1 50.3 53.6 56.2 57.6 60.1 60.5 60.8 60.9 61.9 62.8 63.9 \$0(d) 2 \*\*\*\* 25.4 31.1 35.0 37.8 49.9 51.1 54.6 57.1 58.5 61.3 61.6 62.0 62.1 63.1 64.0 65.1 25.4 31.2 35.5 38.4 50.5 51.7 55.2 57.7 59.1 61.9 62.2 62.6 62.7 63.7 64.6 65.8 26.9 32.9 37.3 40.3 53.3 54.6 58.3 61.2 62.7 65.5 65.8 66.2 66.3 67.3 68.2 69.4 28.0 35.2 40.4 43.5 56.8 58.1 62.1 65.1 66.7 69.4 69.8 70.1 70.3 71.2 72.2 73.5 29.4 37.2 42.4 45.6 60.6 61.9 66.2 69.2 70.8 74.0 74.3 74.8 74.9 75.9 76.8 78.1 30.9 39.1 44.6 47.8 63.1 64.6 69.2 72.3 74.1 77.7 78.0 78.5 78.6 79.6 80.6 82.0 15-4 32.5 40.9 46.6 50.1 65.7 67.3 71.9 75.1 77.3 81.4 81.7 82.2 82.3 83.3 84.3 86.0 33.0 41.6 47.3 50.8 66.4 68.0 72.6 75.9 78.0 82.1 82.4 82.9 83.0 84.0 85.1 86.7 · 25/8 — <del>1</del> 33.8 42.4 48.5 52.0 68.1 69.7 74.3 77.7 79.8 83.9 84.2 84.7 84.8 85.8 86.9 88.5 34.3 43.0 49.1 52.6 68.7 73.3 74.9 78.3 80.4 84.5 84.8 85.3 8 .4 66.4 87.5 89.1 TE HOUT 35.6 44.7 50.9 54.6 71.4 73.2 78.3 81.8 84.1 88.3 88.6 89.1 89.2 90.2 91.3 93.0 36.1 45.8 52.0 55.7 72.8 74.6 79.6 83.4 85.7 90.0 90.3 90.8 90.9 91.9 93.0 94.6 36.1 45.8 52.0 55.7 73.0 74.8 79.9 83.8 86.0 90.4 90.8 91.4 91.6 92.6 93.7 95.3 95.9 136.1 45.8 52.0 55.7 73.0 74.8 79.9 83.8 86.0 90.4 90.8 91.4 91.6 92.6 93.7 95.3 95.5 136.1 45.8 52.0 55.7 73.0 74.8 80.0 83.9 86.1 90.6 90.9 91.5 91.8 92.7 93.8 95.5 136.1 45.9 52.1 55.8 73.1 74.9 80.2 84.0 86.3 90.7 91.0 91.6 92.0 93.0 94.0 95.7 93.6 36.1 46.2 52.4 56.2 73.6 75.4 80.6 84.6 86.9 91.4 91.8 92.4 92.7 93.7 94.7 96.4 2 6D 36.1 46.2 52.4 56.4 73.8 75.6 80.9 84.9 87.3 92.0 92.4 93.0 93.3 94.3 95.3 97.0 36.1 46.2 52.4 56.4 73.8 75.6 81.1 85.3 87.7 92.4 92.7 93.3 93.7 94.6 95.7 97.4 36.1 46.2 52.4 56.4 73.8 75.6 81.1 85.3 87.8 92.5 92.8 93.4 93.8 94.7 95.8 97.5 36.1 46.2 52.4 56.4 73.8 75.6 81.1 85.3 87.8 92.5 92.8 93.5 93.9 94.9 95.9 97.6 400 36.1 46.2 52.4 56.4 73.8 75.6 81.1 85.3 87.8 92.5 93.0 93.8 94.3 95.3 96.4 98.3 36.1 46.2 52.4 56.4 73.8 75.6 81.1 85.3 87.8 92.5 93.0 93.8 94.3 95.5 97.1 99.9 36.1 46.2 52.4 56.4 73.8 75.6 81.1 85.3 87.8 92.5 93.0 93.8 94.3 95.5 97.3100.0

TOTAL NUMBER OF OBSERVATIONS

837

USAF ETAC NO 0-14-5 (OL A MENO'S EDITING DE THIS FORM ARE DISCIFTE

CLCBAL CLIMATOLOGY BRANCH USAFETAC AI" WEATHER SERVICE/MAC

RAMSTEIN AB DL

1 .140

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

73-81

0900-1100

/ ENIMO	VISIBLE Y STATUTE MILES															
+16:	≥10	2.6	≥ 5	 _: 4	2:	22	27	3,	≥1.	2	٠.	2 .		.5 .	2.	23
**C: 'Ellin'	28.1	33.7	36.4	39.6	44.3	44.3	44.4	45.0	45.D	45.0	45.0	45.0	45.0	45.0	45.0	45.3
≥ 2°KMMQ	31.7	38.Q	40.7	44.3	49.2	49.4	49.5	50.+	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 1800	31.8	38.2	40.8	44.4	49.3	49.5	49.6	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 15000	32.1	38.4	41.0	44.6	49.5	49.8	49.9	50 • 7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8
* 140U.	32.5	39.0	41.7	45.5	50.5	50.7	50.8	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	32.8	39.5	42.2	45.9	51.2	51.4	51.6	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 1000€	34.4	41.5	44.7	48.4	54.1	54.3	54.4	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5
\$ <b>6</b> 000 -	34.4	41.7	45.Q	48.8	54.8	55.0	55.1		56.0	56.2		56.2	56.2	56.2	56.2	56.2
> 8000	36.7	44.4	47.6	51.8	57.8		58.6		59.4	59.8	59.8		59.8	59.8	59.8	59.8
. 2 700€	37.8	45.7	49.3	53.7		60.2				62.0			62.0	62.0	62.0	
≥ 6000	38.3	46.2	49.8	54.2		60.6			62.1		62.4		62.4	62.4	62.4	62.4
, 500c	39.8		52.0							65.3				65.3	65.3	
> 450C		50.4	54.3	59.0						67.8			-	67.8	67.8	67.8
≥ 40KH.	45.3		59.4							74.8					74.8	
≥ 3500	46.7	56.7	61.9	65.9		74.3		,			77.2	77.2	77.2	77.2		77.2
2 1000	50.6		66.0							84.1			84.2		84.2	84.2
≥ 2500	51.9	62.6		72.5				:	-	86.D		1			86.1	86.1
≥ 2000	53.8	64.7	69.5	74.8		84.8					88.8		88.9	88.9	88.9	88.9
≥ 1800	54.3	65.3	70.1	75.4	85.0	•				89.6						
2 150%	57.3	68.8	73.8		1					95.0				95.1	95.1	95.1
≥ 1200	58.1	69.6				,				96.7				96.8	96.8	96.8
± 1000	58.3	69.9	75.0	81.3	92.2	92.8				98.0			98.1	98.1	98 • 1	98.1
> 900	58 • 3	69.9	1117	81.3	92.2	92.9		,		98.1					98.2	
≥ 800	58.3	70.0	75.2	81.6	92.8					99.0					99.2	
≥ 700	58.3	70.a	75 · Z	81.6	92.9	1			•	99.2						
≥ 500	58.3	70.0	-	81.7						99.3		99.3		99.4	99.4	99.4
≥ 50°	58.3	70.0	75.4	81.7	93.1	. ;	[	-	97.8		99.4	99.4		99.5		
≥ 400	58.3	70.0	1				1			99.4					99.5	99.5
2 300	58.3	70.0	1	81.7	93.1					99.4		_		-	99.6	;
2 200	58.3	70.0	75.4	81.7	93.1		95.6			99.5						
100 مے	58.3	70.0	75 • 4	81.7	93.1			–	- 1	99.5					_	-
\$ 0	58.3	70.0	75.4	81.7	93.1	93.8	95.6	47.2	97.8	99.5	99.6	79.8	99.9	99.9	u0.01	100.0

TOTAL NUMBER OF OBSERVATIONS 836

USAF FTAC ..... 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

SLUSAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 +140 RAMSTEIN AB

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1230-1400

TOTAL NUMBER OF OBSERVATIONS

837

USAF ETAC -- 2-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 :147 RAMSTEIN AB DL

73-81

A U is

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

...≥∀ 26 27 44 29 27. 9000 5031 1000 A(X 60C 5.81 400 300 

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC ... 0-14-5 /OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECRAL CLIMATOLOGY BRANCH SSAFETAC ATH WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 141 RAMSTEIN AB DL

73-81

AUS

PERCENTAGE PREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

....... इ. १४७५५ 3 9000 3/1/10 459 414.0 82.6 91.2 94.6 95.9 98.9 99.3 99.8 99.9100.0100.0100.0100.0100.0100.0 

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_\_837

USAF ETAC 0-14-5 (OL A' MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH CHIEFTAC A. FEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 140 FAMSTEIN AB OL

73-81

AUC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2130-2303

TOTAL NUMBER OF OBSERVATIONS 83

USAF ETAC - 3-14-5 OL A MERIOUS FOIL UNS DITTHIS FORM ARE OBSOLETE

C

BLERAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 - 140 RAMSTEIN AB DL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

TOTAL NUMBER OF OBSERVATIONS

669

USAF ETAC . ... (1-14-5 I OL A MEZIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH OF FETAC ALS WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 143 PAMSTEIN AS DE

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

	FRIN							. *-						~			
	HE" "	2	≥ 5	<u> 2</u> :	24	4.5	22	<i>:</i> .	•		:		•	•	· • •		
٠,,.	EII N	26.1	31.5	35.4	36.9	41.5	41.7	43.6	44.6	45.4	47.7	48.0	43.3	48.8	49.8	59.7	52.3
•	and Cife							49.1									
		29.6	35.9	40.2	41.7	46.9	47.2	49.1	50.2	51.1	53.6	54 . C	54.2	54.7	55.7	56.7	58.3
	2 Sept. 18			47.2				49.1								56.7	
٠	≥ 14(4×							49.4						_			
	70 K)							49.6									
	≥ 100° C							52.6									
	> 9100							54.2									
	<u>&gt;</u> 2000	- 1						57.4									
	ङ्ग र ५(४) 							58.8									69.2
	5000	- •						59.1						•	•		
	≥ 550K 							62.6									
	± 4500 ≥ 4000							65.8									
		- 1						73.2								-	
	2 1500 7 3000							78.9									89.8
·	- 25 h	1	1	- 1	- 1			79.8									
	2 2000	49.3						81.2								89.9	92.1
-	> 800							81.4									92.2
	.2 1500	50.0	59.6	65.9	68.9	78.8	79.3	82.5	83.7	84.6	87.2	87.5	87.8	88.8	90.1	91.2	93.5
	200	50.4	65.2	66.5	69.6	79.6	80.1	83.3	84.6	85.4	88.0	88.4	88.6	89.6	91.1	92.2	94.4
	2 000	50.4	67.5	66.8	70.2	80.7	81.2	84.4	85.7	86.5	89.3	89.6	89.9	90.9	92.3	93.5	95.7
	900	50.4	63.6	66.9	70.4	80.9	81.4	84.6	85.8	86.7	89.4	89.8	90.0	91.0	92.5	93.6	95.8
	≥ 800 ±							85.1									
	≥ 700	1						85.1			-				_	_	
	≥ 600							85.1									
	: 5XC					1	:	85.1					-				
	2 400	50.5		67.2				85.2									
	± 300	50.5						85.2									
<b>+</b>	2 700 	50.5						85.2									
	×	53.5				i i		85.2			-						
·	<del>-</del>	50.5	5U . F	6/02	70.7	51.5	52.U	85.2	80.4	81.3	40.1	40.6	40.4	46.6	44.0	42.47	00.0

USAF ETAC 14 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH CLAFETAC AI: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 -140 RAMSTEIN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2300-0500

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC -- 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLEBAL CLIMATOLOGY BRANCH SCAFETAC AT LEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LSB. THE TWO TE MILES

9600-0800

9.1 13.1 15.1 16.7 22.2 22.6 23.3 25.3 26.3 27.9 28.4 28.8 29.0 29.8 30.4 32.3 2 2 4000 11.2 15.6 18.1 19.6 26.7 27.0 27.9 30.1 31.1 32.8 33.3 33.7 34.0 34.9 35.8 38.4 2800 11.2 15.7 18.1 19.9 26.9 27.3 28.1 30.4 31.4 33.1 33.6 34.0 34.2 35.2 36.0 38.6 2 10.00 11.2 15.7 18.1 19.9 26.9 27.3 28.1 30.4 31.4 33.1 33.6 34.0 34.2 35.2 36.0 38.6 2 10/00 11.2 15.7 18.1 19.9 26.9 27.3 28.1 30.4 31.4 33.1 33.6 34.0 34.2 35.2 36.0 38.6 2 14.0 11.2 15.7 18.1 19.9 26.9 27.3 28.1 30.4 31.4 33.1 33.6 34.0 34.2 35.2 36.0 38.6 2 10/00 11.4 15.8 18.3 20.0 27.0 27.4 28.4 30.6 31.6 33.5 34.0 34.3 34.6 35.6 36.4 39.0 31.4 33.1 37.2 37.8 38.1 38.4 39.4 40.2 42.8 13-2 18-3 21-1 23-0 30-5 31-0 32-2 34-6 35-6 38-1 38-8 39-1 39-4 40-4 41-2 43-8 15-3 21-1 24-6 26-5 34-4 34-9 36-5 39-0 40-0 42-6 43-2 43-7 44-7 44-9 45-8 48-6 15-6 21-4 24-8 27-0 35-1 35-6 37-2 39-6 40-6 43-3 44-0 44-4 44-7 45-7 46-5 49-4 15-9 22-0 25-4 27-7 35-8 36-3 38-0 40-5 41-6 44-3 44-9 45-4 45-7 46-7 47-5 50-4 ≥ 80(K: 17.5 24.0 27.5 29.9 39.1 39.6 41.4 44.1 45.2 48.3 48.9 49.5 49.9 50.9 51.7 54.9 20.5 27.7 31.2 33.7 43.1 43.6 45.4 48.3 49.4 52.5 53.2 54.0 54.3 55.3 56.2 59.4 22.9 30.5 34.4 37.2 48.4 4d.9 51.0 54.2 55.3 58.6 59.9 63.7 61.1 62.2 63.1 66.4 24.4 32.3 36.7 39.5 57.7 51.2 53.5 56.9 58.3 61.6 62.8 63.7 64.1 65.2 66.0 69.4 ≥ 4:000 2 3500 2 3000 25.7 33.7 38.5 41.6 53.5 54.9 56.9 50.7 62.1 66.4 67.8 68.9 69.4 70.6 71.5 74.8 26.4 34.7 39.5 42.6 54.9 55.4 58.4 62.2 63.7 68.1 69.5 70.6 71.1 72.3 73.2 76.7 . ± 701 2 601 32-0 40-9 46-4 49-8 63-6 64-1 67-3 71-7 73-5 78-1 79-5 80-6 81-1 82-6 83-5 96-9 32-0 40-9 46-4 49-8 63-6 64-1 67-4 71-9 73-6 78-4 79-9 81-0 81-5 83-0 83-8 87-4 32-7 40-9 46-4 49-8 63-6 64-1 67-4 71-9 73-6 78-5 80-0 81-1 81-6 83-2 84-1 87-8 32-0 40-9 46-4 49-8 63-6 64-1 67-4 71-9 73-6 78-5 80-0 81-1 81-6 83-5 84-8 90-0 500 32.0 40.9 46.4 49.8 63.6 64.1 67.4 71.9 73.6 78.6 80.1 81.2 82.3 84.0 86.3 93.7 32.0 40.9 46.4 49.8 63.6 64.1 67.4 71.9 73.6 78.8 80.2 81.4 82.1 84.2 86.7 97.7 32.0 40.9 46.4 49.8 63.6 64.1 67.4 71.9 73.6 78.8 80.2 81.4 82.1 84.2 87.8100.0

TOTAL NUMBER OF OBSERVATIONS

SLIMAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 143 RAMSTEIN AB DL

73-81

2FP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

090**0-**1,100

to fort 20.1 24.8 26.4 28.1 34.0 34.0 34.7 35.9 36.4 37.8 37.9 38.0 38.7 38.1 38.1 38.1 38.1 23.7 28.8 37.9 32.8 38.8 38.8 39.6 41.2 41.9 43.5 43.6 43.8 43.8 43.8 44.1 24.1 24.1 27.0 31.4 27.0 31.4 33.1 39.0 39.0 39.9 41.5 42.1 43.7 43.8 44.1 44.1 44.1 44.1 44.1 44.3 24.2 27.3 31.4 33.3 39.3 39.3 40.1 41.7 42.3 44.0 44.1 44.3 44.3 44.3 44.3 44.3 44.6 24.2 29.3 31.4 33.3 39.3 39.3 47.1 41.7 42.3 44.0 44.1 44.3 44.3 44.3 44.3 44.3 44.6 24.3 33.5 32.8 34.8 43.7 40.7 41.6 43.2 43.8 45.4 45.6 45.8 45.8 45.8 45.8 46.0 26.3 32.5 34.9 37.2 43.3 43.3 44.3 46.0 46.8 48.4 48.5 48.8 48.8 48.8 49.0 26.7 32.8 35.4 37.7 43.8 43.8 44.8 46.5 47.3 48.9 49.0 49.3 49.3 49.3 49.5 49.5 29.4 35.6 38.5 41.1 47.8 47.8 48.9 50.7 51.5 53.2 53.3 53.6 53.6 53.6 53.6 53.6 30.3 36.9 40.0 42.6 49.5 49.5 50.6 52.5 53.2 54.9 55.1 55.3 55.3 55.3 55.3 55.6 30.6 37.5 40.6 43.2 50.2 50.2 51.4 53.2 54.0 55.7 55.8 56.0 56.0 56.0 56.0 56.0 32.2 39.1 43.7 45.7 53.5 53.5 54.7 56.7 57.7 59.6 59.9 60.1 60.1 60.1 60.1 60.4 34.7 42.3 46.4 49.1 56.9 56.9 58.1 60.1 60.1 63.1 63.3 63.6 63.6 63.6 63.6 63.8 37.4 45.4 49.8 52.8 61.4 61.5 63.1 65.2 66.2 68.4 68.6 69.0 69.0 69.0 69.0 69.0 69.0 39.9 48.4 52.8 55.9 64.7 64.8 66.4 68.6 69.6 71.9 72.1 72.5 72.5 72.6 72.6 73.0 39.9 48.4 52.8 55.9 64.7 64.8 66.4 68.6 69.6 71.9 72.1 72.5 72.5 72.6 72.6 73.0 44.7 55.1 59.8 63.2 73.5 73.6 75.6 78.0 79.0 81.6 81.9 82.2 82.2 82.3 82.3 82.7 85.1 55.6 60.4 64.1 74.6 74.7 76.8 79.3 80.2 83.0 83.3 83.7 83.7 83.8 83.8 84.3 82.8 47.5 58.1 63.3 67.2 77.7 77.8 80.0 82.5 83.5 86.3 86.7 87.0 87.0 87.2 87.2 87.7 88.3 58.6 63.8 67.7 78.1 78.3 80.6 83.1 84.1 86.9 87.3 87.7 87.7 87.8 87.8 88.3 49.3 60.1 65.4 69.5 80.7 80.9 83.3 85.9 87.3 90.2 90.6 91.0 91.0 91.1 91.1 91.6 50.5 50.5 61.4 66.8 70.7 82.1 82.3 84.9 87.5 88.9 92.2 92.6 93.0 93.0 93.1 93.1 93.6 50.5 61.4 66.9 70.9 82.2 82.5 85.1 87.9 89.3 92.6 93.0 93.3 93.5 93.7 93.7 94.2 50.5 61.4 66.9 70.9 82.2 82.5 85.1 87.9 89.3 92.6 93.0 93.3 93.5 93.7 93.7 94.2 50.5 61.4 66.7 70.9 82.2 82.5 85.1 87.9 89.3 92.6 93.0 93.3 93.5 93.7 93.7 94.2 50.5 61.4 66.7 70.9 82.2 82.5 85.2 88.1 89.5 93.1 93.5 93.8 94.0 94.2 94.2 94.7 50.5 61.4 66.7 70.9 82.2 82.5 85.3 88.3 89.9 93.5 93.8 94.3 94.4 94.7 94.7 95.2 50.5 61.4 66.7 70.9 82.2 82.5 85.3 88.3 89.9 94.1 94.6 95.3 95.4 95.9 95.9 96.4 : 80H 2 600 50.5 61.4 66.9 70.9 82.2 82.5 85.3 88.3 89.9 94.2 94.7 95.6 95.7 96.2 96.3 96.8 50.5 61.4 66.9 70.9 82.2 82.5 85.3 88.4 90.0 94.6 95.1 95.9 96.0 96.7 96.8 97.5 50.5 61.4 66.9 70.9 82.2 82.5 85.3 88.4 90.0 94.7 95.2 96.0 96.2 96.8 96.9 98.0 304 50.5 61.4 66.9 70.9 82.2 82.5 85.3 88.4 90.0 94.7 95.2 96.0 96.2 97.0 97.4 99.0 50.5 61.4 66.9 70.9 82.2 82.5 85.3 88.4 90.0 94.7 95.2 96.2 96.4 97.3 98.1100.0

TOTAL NUMBER OF OBSERVATIONS.

81

USAF ETAC - 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ULCHAL CLIMATOLOGY BRANCH
USFETAC
ASS WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14" RAMSTEIN AB OL

73-ê1

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

1.00 5000 5000 - 0 3500 ± 25G€ 18cK 400 75.2 84.3 88.3 91.2 97.3 97.5 98.3 99.3 99.4100.0100.0100.0100.0100.0100.01

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE 0450LETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ASS NEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 .14" RAMSTEIN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

in the sign of the 

TOTAL NUMBER OF OBSERVATIONS 809

П

SECRAL CLIMATOLOGY BRANCH USAFETAC ATRICEMENT SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 - 14" RAMSTEIN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

TOTAL NUMBER OF ORSERVATIONS 81

USAF ETAC 0-14-5 (QL A. MEVICUS EDITIONS OF THIS FORM ARE OBSOLE

SLIBAL CLIMATOLOGY BRANCH SAFFTAC 41 AEATHER SERVICE/MAC

2

## CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2100-2300

37.2 43.3 47.8 48.9 53.2 53.2 54.2 54.6 54.7 55.6 55.6 56.0 56.0 56.4 56.8 57.0 40.4 47.0 52.2 53.6 58.5 58.5 59.5 59.9 60.0 60.9 60.9 61.4 61.5 61.9 62.2 62.5 40.5 47.3 52.5 53.8 58.8 58.8 59.8 60.1 60.2 61.1 61.6 61.7 62.1 62.5 62.7 47.3 52.5 53.8 58.8 58.8 59.8 60.1 60.2 61.1 61.6 61.7 62.1 62.5 62.7 40.6 47.3 52.5 53.8 58.8 58.8 59.8 60.1 60.2 61.1 61.6 61.7 62.1 62.5 62.7 41.5 43.1 53.1 54.7 59.6 59.6 60.6 61.0 61.1 62.0 62.0 62.5 62.6 63.0 63.3 63.6 43.1 49.8 55.1 56.5 61.5 61.5 62.5 62.8 63.0 63.8 64.0 64.4 64.6 64.9 65.3 65.6 +4.1 50.7 56.3 57.8 62.7 62.7 63.7 64.1 64.2 65.1 65.2 65.7 65.8 66.2 66.5 66.6 45.8 52.8 58.8 60.4 65.9 65.9 66.9 67.7 67.9 68.9 69.3 69.5 69.6 73.0 70.4 70.6 45.8 52.8 58.8 60.4 65.9 65.9 66.9 67.7 67.9 68.9 69.0 69.5 69.6 73.0 70.4 70.6 47.9 54.9 61.0 62.6 68.1 68.1 69.3 70.0 70.2 71.2 71.4 71.9 72.0 72.3 72.7 73.0 48.5 55.8 61.9 63.5 69.0 69.0 70.1 70.9 71.1 72.1 72.2 72.7 72.8 73.2 73.6 73.8 51.4 59.3 65.7 67.7 73.7 73.7 74.9 75.7 75.9 76.9 77.0 77.5 77.7 78.0 78.4 70.6 53.3 62.0 68.4 70.4 76.5 76.5 77.8 78.5 78.8 79.8 79.9 80.4 80.5 80.9 81.2 81.5 56.4 65.4 72.1 74.3 83.9 81.0 82.2 83.0 83.2 84.3 84.4 84.9 85.1 85.4 65.8 86.3 58.4 67.4 74.3 76.7 83.5 83.6 84.8 85.6 85.8 86.9 87.0 87.5 87.7 88.0 88.4 88.6 51.5 71.2 78.4 81.0 88.9 89.0 90.2 91.2 91.6 92.7 92.8 93.3 93.5 93.8 94.2 94.4 52.5 72.2 79.4 82.0 89.9 93.0 91.2 92.2 92.6 93.7 93.8 94.3 94.4 94.6 95.2 95.6 95.8 53.0 72.8 80.0 82.6 90.5 90.6 91.6 92.6 93.0 94.1 94.2 94.7 94.8 95.2 95.6 95.8 53.0 72.8 80.0 82.6 90.5 90.6 91.9 92.8 93.2 94.3 94.4 94.9 95.1 95.4 95.8 96.0 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.3 95.4 95.8 96.2 96.4 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.7 94.8 95.2 96.7 96.8 97.2 97.5 97.8 64.1 74.3 81.7 84.6 93.0 93.1 94.3 95.6 95.9 97.0 97.2 97.7 97.8 98.1 98.5 98.8 63.8 74.0 81.2 83.8 92.2 92.3 93.6 94.6 94.9 96.0 96.2 96.7 96.8 97.2 97.5 97.8 54.1 74.3 81.7 84.6 93.0 93.1 94.3 95.6 95.9 97.0 97.2 97.7 97.8 98.1 98.5 98.8 99.1 96.0 64.1 74.4 82.0 84.8 93.6 93.7 95.2 96.4 96.8 97.9 98.0 98.1 98.6 99.0 99.4 99.6 64.0 74.4 82.0 84.8 93.6 93.7 95.2 96.4 96.8 97.9 98.0 98.5 98.6 99.0 99.4 99.6 64.0 74.4 82.0 84.8 93.6 93.7 95.2 96.4 96.8 97.9 98.0 98.5 98.6 99.0 99.4 99.6 64.0 74.4 82.0 84.8 93.6 93.7 95.2 96.4 96.8 97.9 98.0 98.5 98.6 99.0 99.4 99.6 64.0 74.4 82.0 84.8 93.6 93.7 95.2 96.4 96.8 97.9 98.0 98.1 98.5 98.6 99.0 99.4 99.6 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.8 99.1 99.5 99.8 64.0 74.4 82.0 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.9 99.3 99.8 100.0 0 04.1 74.4 82.1 84.8 93.6 93.7 95.3 96.5 96.9 98.0 98.1 98.6 98.9 99.3 99.8100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 4 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH SAFETAC ALS WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB DL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LINES TO STATIST MILES

ALL

21 26 27 24 27 27 27 27 27 27 St. 6.5. 26.8 31.3 33.6 34.8 38.3 38.4 39.2 39.8 40.2 41.3 41.6 41.8 42.0 42.4 42.8 43.7 31.3 36.3 39.1 40.5 44.5 44.6 45.5 46.3 46.6 47.9 48.2 48.4 48.6 49.0 49.4 50.6 31.6 36.6 39.4 40.8 44.8 45.0 45.9 46.6 47.9 48.2 48.5 48.7 48.9 49.3 49.8 50.9 31.7 36.7 39.5 40.9 44.9 45.0 45.9 46.7 47.0 48.3 48.6 48.8 49.0 49.4 49.8 51.0 31.7 36.7 39.5 41.0 45.0 45.1 46.0 46.7 47.1 48.3 48.6 48.8 49.0 49.4 49.9 51.3 40.74 32.4 37.6 40.4 41.8 45.8 46.0 46.9 47.6 48.0 49.2 49.5 49.7 49.9 50.3 50.8 51.9 34.4 39.8 42.7 44.2 48.5 48.6 49.6 50.4 50.8 52.2 52.5 52.7 52.9 53.4 53.8 55.0 2.00% 35.4 4 3.8 43.9 45.5 49.7 49.9 50.8 51.6 52.0 53.4 53.7 53.9 54.2 54.6 55.1 56.2 38.3 44.2 47.6 49.1 53.8 54.0 55.1 55.9 56.4 57.8 58.1 58.3 58.6 59.0 59.5 60.7 39.2 45.4 48.9 50.5 55.2 55.4 56.5 57.3 57.8 59.2 59.5 59.8 50.0 60.5 60.9 62.1 39.9 46.2 49.7 51.3 56.1 56.3 57.4 58.3 58.7 60.2 60.5 60.7 60.9 61.4 61.9 63.1 42.3 49.1 52.9 54.8 60.0 60.2 61.4 62.4 62.9 64.4 64.7 64.9 65.2 65.7 66.2 67.5 45.5 52.7 56.7 58.6 64.0 64.1 65.4 66.4 66.9 68.5 68.8 69.1 69.3 69.8 70.3 71.6 49.0 56.7 60.9 62.9 69.2 69.4 70.8 71.8 72.3 74.0 74.4 74.7 75.0 75.5 75.9 77.3 51.4 59.5 64.0 66.2 72.8 73.0 74.5 75.5 76.1 77.8 78.1 78.4 73.7 79.2 79.7 81.0 55.4 64.2 69.1 71.6 78.9 79.3 81.0 82.2 82.7 84.7 85.1 85.4 65.7 86.2 36.7 88.1 56.1 65.1 77.1 72.6 80.1 80.5 82.2 83.5 84.1 86.1 86.5 86.8 87.1 87.7 88.1 89.5 57.4 66.6 71.7 74.3 82.0 82.4 84.3 85.6 86.2 88.3 88.7 89.0 89.3 89.9 90.3 91.7 57.7 66.9 72.0 74.7 82.4 82.7 84.7 86.0 86.6 88.6 89.1 89.4 89.7 90.2 90.7 92.1 58.4 67.8 73.7 75.7 83.7 84.0 86.0 87.4 88.3 90.1 90.6 90.9 91.2 91.7 92.2 93.6 59.0 68.4 73.6 76.4 84.7 85.0 87.1 88.5 89.1 91.3 91.7 92.0 92.3 92.9 93.4 94.3 59.1 68.6 73.9 76.4 84.7 85.0 87.1 88.5 89.1 91.3 91.7 92.0 92.3 92.9 93.4 94.3 e Min. 59.1 68.6 73.9 76.8 85.3 85.7 87.7 89.3 89.9 92.1 92.5 92.9 93.2 93.8 94.2 95.6 900 59.1 68.7 74.0 76.9 85.4 85.5 87.8 89.3 90.0 92.2 92.7 93.0 93.3 93.9 94.4 95.8 80.4 95.1 68.7 74.0 77.0 85.5 85.9 87.9 89.5 90.2 92.4 92.8 93.1 93.5 94.1 94.6 95.9 97.1 68.7 74.0 77.0 85.5 85.9 88.0 89.6 90.3 92.5 92.9 93.3 93.6 94.2 94.7 96.1 2 80x 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.8 90.5 92.7 93.2 93.5 93.8 94.5 94.9 96.3 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.8 90.5 92.9 93.3 93.7 94.0 94.7 95.2 96.6 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.8 90.5 92.9 93.4 93.8 94.1 94.8 95.3 96.7 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.8 90.5 92.9 93.4 93.8 94.1 94.8 95.3 96.7 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.8 90.6 93.0 93.5 93.9 94.2 94.9 95.6 97.2 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.9 90.6 93.1 93.5 93.9 94.3 95.1 95.9 98.0 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.9 90.6 93.1 93.6 94.0 94.3 95.2 96.0 99.2 59.1 68.7 74.1 77.0 85.7 86.0 88.2 89.9 90.6 93.1 93.6 94.0 94.4 95.2 96.6100.0

TOTAL NUMBER OF OBSERVATIONS ....

SLABAL CLIMATOLOGY BRANCH DEAFFTAC AL MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LASBOTA STATUTE WIT

3030-0200

200 **26** 27 24 20 27 22 2 2 13.5 16.0 18.6 19.6 23.6 23.6 24.8 26.1 27.2 30.1 30.1 30.4 31.1 32.8 35.2 36.6 15.7 17.7 20.2 21.3 25.6 25.7 26.9 28.5 29.7 32.8 32.9 33.3 34.0 35.8 38.4 40.1 15.2 17.7 27.2 21.3 25.6 25.7 26.9 28.5 29.7 32.8 32.9 33.3 34.0 35.8 38.4 40.1 15.2 17.7 27.2 21.3 25.6 25.7 26.9 28.5 29.7 32.8 32.9 33.3 34.0 35.8 38.4 40.1 15.2 17.7 27.2 21.3 25.6 25.7 26.9 28.5 29.7 32.8 32.9 33.3 34.0 35.8 38.4 40.1 15.2 17.7 27.2 21.3 25.6 25.7 26.9 28.5 29.7 32.8 32.9 33.3 34.0 35.8 38.4 40.1 15.4 18.0 20.9 21.4 25.9 26.0 27.2 28.7 29.9 33.1 33.2 33.5 34.3 36.0 38.7 40.4 15.4 18.0 20.9 21.6 25.9 26.0 27.2 28.7 29.9 33.1 33.2 33.5 34.3 36.0 38.7 40.4 16.3 19.6 22.2 23.2 27.5 27.7 28.9 30.4 31.6 34.7 34.9 35.2 35.9 37.7 47.4 42.0 16.8 20.4 23.1 24.2 28.6 28.7 29.9 31.5 32.7 35.8 35.9 36.3 37.2 39.0 41.7 43.4 17.6 21.6 24.4 25.7 30.3 30.4 31.6 33.4 34.7 38.0 38.1 38.4 39.4 41.2 43.9 45.5 18.1 22.0 24.9 26.2 30.8 31.0 37.2 34.0 35.3 38.6 38.7 39.0 40.7 41.8 44.0 46.1 34.5 41.3 47.5 50.4 57.5 57.7 59.9 62.5 64.1 68.5 68.6 69.2 70.2 72.3 75.2 76.9 36.2 43.6 49.8 52.9 60.5 60.8 63.0 65.6 67.2 71.6 71.7 72.3 73.3 75.4 78.3 80.0 36.8 44.4 50.7 53.8 61.3 61.7 63.8 66.5 68.0 72.5 72.6 73.2 74.1 76.3 79.2 80.8 38.1 46.2 52.5 56.2 64.1 64.4 66.6 69.2 70.8 75.3 75.4 76.0 77.0 79.3 32.2 83.8 38.3 46.5 52.7 56.8 65.1 65.6 67.9 70.9 72.5 77.0 77.1 77.7 78.7 81.7 83.8 85.5 39.3 47.5 53.8 58.1 66.9 67.5 70.2 73.4 75.0 79.9 80.0 80.6 81.6 83.8 86.7 88.4 39.3 47.5 53.8 58.2 67.3 67.9 70.5 74.1 75.7 80.8 81.0 81.6 82.5 84.8 87.7 89.3 39.4 47.7 53.9 58.3 67.5 68.1 71.1 74.7 76.3 81.7 81.8 82.4 83.4 85.6 88.6 90.3 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 83.8 84.0 84.6 85.5 87.8 90.8 92.5 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 83.8 84.0 84.6 85.5 87.8 90.8 92.5 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 84.0 84.1 84.7 85.6 88.0 91.1 92.8 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 84.0 84.0 84.6 85.5 87.8 90.8 92.5 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 84.0 84.0 84.6 85.5 87.8 90.8 92.5 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 84.0 84.0 84.0 85.4 85.6 88.0 91.1 92.8 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 84.0 84.0 84.0 85.4 85.4 86.3 88.7 91.9 93.7 39.5 47.8 54.0 58.4 67.9 68.5 72.3 76.0 77.6 84.0 84.1 84.7 85.6 88.0 91.1 92.0 76.0 39.5 47.8 54.0 58.4 68.1 68.7 72.6 76.4 78.0 84.6 84.8 85.4 86.3 88.7 91.9 93.7 39.5 47.8 54.0 58.4 68.1 68.7 72.7 76.5 78.3 84.9 85.4 86.1 87.1 89.5 92.6 94.6 39.5 47.8 54.0 58.4 68.1 68.7 72.7 76.5 78.3 84.9 85.4 86.1 87.1 89.5 92.6 94.6 39.5 47.8 54.0 58.4 68.1 68.7 72.8 76.6 78.4 85.0 85.6 86.3 87.3 89.8 93.8 97.0 39.5 47.8 54.0 58.4 68.1 68.7 72.9 76.8 78.6 85.1 85.7 86.5 87.4 89.9 94.3 99.9 39.5 47.8 54.1 58.4 68.1 68.7 72.9 76.8 78.6 85.1 85.7 86.5 87.4 89.9 94.3 100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC - 0-14-5 (QL A) MEVIOUS EDITIONS OF THIS FORM ARE O

GLCRAL CLIMATOLOGY BRANCH FRAFETAC ATT REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 147

RAMSTEIN AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

3**3<u>0</u>0-05c**c

1 Etyl <b>N</b> rG																
rift. ,	5.0	≥ 6	≥ %	* 4		2.2	<u>4</u> 7	,'	2 .	:	٤.	2 .				- ·
NO ENNO	15.4	12.9	13.9	15.0	19.3	19.4	19.9	21.4	22.0	24.0	24.1	24.2	25.6	26.8	28.6	31.2
± 2000C	11.8	13.9		15.9						25.7		25.9	27.3	28.6	3C • 4	33.1
.≥ 18000	11.5	13.9	14.8	15.9		-				25.7		25.9	27.3	28.6	30.4	33.1
₹ 6000 				16.0						25.9			27.5		30.6	33.3
≥ '400€						_				25.9					30.6	33.3
는 120년년										25.9						33.3
≥ 10 <b>0</b> 0€										26.8					3 <b>1.5</b>	34.1
≥ 90%	1									27.7					32.4	35.1
≥ 8000						_				29.7				32.6		37.3
3 / HIO	- 1	1	:							29.8					34.5	
> 5000	- 1					-				31.0					35.7	
5 JOC .										35.2					40.0	42.7
4500		23.8		27.7						42.8		_		45.8		50.3
≥ 4000	1	28.1								47.9				51.	53.0	
≥ 3500									-	52.0					57.1	
≥ 3000		i								57.4						
≥ 2500	30.9		39.4	_						60.4				63.9	66.D	68.6
≥ 2300	33.1		42.5	45.4								65.3			70.3	
≥ 800	33.2		1	:		_				65.4						
≥ 500	35.8	42.9	46.1	49.7						70.3						
≥ 1200	36.2			50.1		- 1				71.4						
≥ 1000	36 . 8		47.2							74.3						
. 900	37.4		47.9							75.8						
≥ 800	37.8									77.7						
2 700	38 • Q		48.7							78.5						
. ≥ 500.										80.1						
≥ 500	38.7		48.7			- 1	:			80.5	:					
2 400	38.7									81.4						
300		45.6				- :		-		82.4						
3 200	- 1	45.6		53.2						82.5					90.1	
• UL						-				82.8						
	38.0	45.6	48.7	53.2	64.1	64.7	68.6	73.5	75.4	82.9	83.2	84.1	85.4	88.3	92.01	100.0

NUMBER OF DESERVATIONS 829

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SUPBAL CLIMATOLOGY BRANCH USAFETAC Alm Weather Service/Mac

#### CEILING VERSUS VISIBILITY

1 145 RAMSTEIN AB DL

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

826

USAF ETAC - 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GERAL CLIMATOLOGY BRANCH REFETAC

#### CEILING VERSUS VISIBILITY

A I - REATHER SERVICE/MAC

1 :14 RAMSTEIN AB DL

73-81

<del>----</del>

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0930-1103

USAF ETAC -4 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECRAL CLIMATOLOGY BRANCH USAFETAC AT: WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14" RAMSTEIN AB DL

73-81

<u>, oc</u>t

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

1200-1400

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 144 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

O

GERBAL CLIMATOLOGY BRANCH SAFETAC A -- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

1500-1700

24 82 22 40.0 44.4 46.7 48.4 51.4 51.6 51.9 52.0 52.0 52.4 52.4 52.4 52.4 52.4 52.4 52.4 42.9 47.7 50.3 52.0 55.8 55.8 55.9 55.9 56.4 56.4 56.4 56.4 56.4 56.4 56.4 4,004 3000 \* 250a 3 1290 3 1000 900 700 2 300 2 200 

TOTAL NUMBER OF OBSERVATIONS\_

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIBAL CLIMATOLOGY BRANCH USAFETAC AT- \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14" RAMSTEIN AB D

73-81

O C T

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

TOTAL NUMBER OF OBSERVATIONS

837

USAF ETAC 64 0-14-5 (OL A) PREVIOUS CONTINUS OF THIS FORM ARE ORSOLETE

CLIBAL CLIMATOLOGY BRANCH
USEFECTAC
ALS REATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB OL

73-81

001

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

2100-2300

≥1 ≥4 ≥3 ≥2 18.5 23.1 24.9 25.9 30.5 30.9 33.0 33.8 34.2 36.2 36.3 36.8 37.3 38.1 39.1 39.5 23.5 25.2 27.6 28.7 33.7 34.2 36.3 37.3 37.6 40.4 40.5 41.1 41.7 42.5 43.5 44.9 23.5 25.2 27.6 28.7 33.7 34.2 36.3 37.3 37.6 40.4 40.5 41.1 41.7 42.5 43.5 44.9 23.5 25.2 27.6 28.7 33.7 34.2 36.3 37.3 37.6 40.4 40.5 41.1 41.7 42.5 43.5 44.9 20.5 25.2 27.6 28.7 33.7 34.2 36.3 37.3 37.6 40.4 40.5 41.1 41.7 42.5 43.5 44.9 20.5 25.3 27.7 28.8 33.9 34.4 36.6 37.5 37.9 40.6 40.7 41.3 41.9 42.8 43.7 44.2 1 (Oca 400 20.7 25.8 28.2 29.3 34.5 35.0 37.2 38.1 38.5 41.2 41.3 41.9 42.5 43.4 44.3 44.8 22.5 27.6 30.0 31.1 36.3 36.8 38.9 39.9 40.3 43.0 43.1 43.7 44.3 45.2 46.1 46.6 22.3 28.1 30.6 31.7 36.9 37.4 39.5 40.6 41.0 43.7 43.8 44.4 45.0 45.9 46.8 47.3 24.6 30.1 32.6 33.7 39.1 39.5 41.7 42.9 43.2 46.1 46.2 46.8 47.4 48.3 49.2 49.7 - Late 25.7 31.2 33.7 34.8 40.3 40.7 42.9 44.1 44.4 47.3 47.4 48.0 48.6 49.5 50.4 50.9 26.2 31.8 34.3 35.4 40.9 41.3 43.5 44.7 45.0 48.1 48.3 48.9 49.5 50.3 51.3 51.7 29.4 35.0 37.5 38.6 44.1 44.6 47.1 48.3 48.6 51.9 52.0 52.6 53.2 54.0 55.0 55.4 35.8 41.8 45.5 47.3 53.5 54.0 56.6 57.8 58.2 61.4 61.5 62.1 62.7 63.6 64.5 65.0 39.7 46.1 50.2 52.0 59.0 59.5 62.2 63.8 64.2 67.5 67.6 68.2 68.8 69.7 70.6 71.1 40.6 47.6 52.1 54.0 62.2 62.7 65.5 67.0 67.4 70.8 71.0 71.6 72.2 73.0 74.0 74.4 43.6 51.6 56.4 58.8 67.1 67.6 70.5 72.2 72.8 76.2 76.5 77.1 77.7 78.5 79.5 80.0 45.2 53.5 58.5 61.2 70.1 70.6 73.5 75.1 75.7 79.2 79.5 80.0 80.6 81.5 82.4 83.0 46.8 55.8 60.9 63.8 73.1 73.6 76.7 78.4 79.0 82.4 82.7 83.3 83.9 84.7 85.7 86.3 47.7 56.6 61.9 64.8 74.1 74.6 77.7 79.3 79.9 83.5 83.8 84.3 84.9 85.8 86.7 87.3 4000 3000 1800 48.3 57.5 63.0 66.4 76.8 77.3 80.9 82.6 83.2 86.7 87.0 87.6 88.2 89.0 90.0 90.6 48.9 58.4 63.0 67.4 78.1 78.6 82.2 84.0 84.6 88.2 88.4 89.0 89.6 90.4 91.4 92.3 48.9 58.5 64.0 67.7 79.0 79.5 83.3 85.2 85.9 89.8 90.1 90.7 91.3 92.1 93.1 93.7 48.9 58.5 64.2 67.9 79.2 79.7 83.5 85.4 86.1 90.4 90.7 91.3 91.9 92.7 93.7 94.3 1.500 1201 OCK-48.9 58.5 64.4 68.1 79.5 79.9 84.0 85.9 86.6 91.4 91.6 92.2 92.8 93.7 94.6 95.2 48.9 58.5 64.4 68.1 79.5 79.9 84.0 85.9 86.6 91.4 91.6 92.2 92.8 93.7 94.6 95.2 48.9 58.5 64.4 68.1 79.5 79.9 84.0 86.1 87.0 92.0 92.2 92.8 93.4 94.3 95.2 95.8 48.9 58.5 64.4 68.1 79.5 79.9 84.0 86.1 87.0 92.0 92.2 92.8 93.4 94.3 95.2 95.8 48.9 58.5 64.4 68.1 79.5 79.9 84.0 86.1 87.0 92.2 92.5 93.1 93.7 94.5 95.5 96.1 2 800 70L 5.00 48.9 58.5 64.4 68.1 79.6 80.0 84.1 86.4 87.2 93.1 93.4 94.0 94.6 95.5 96.5 97.1 88.9 58.5 64.4 68.1 79.6 80.0 84.1 86.4 87.5 93.4 93.8 94.7 95.5 96.4 97.5 98.4 48.9 58.5 64.4 68.1 79.6 80.0 84.1 86.4 87.7 93.7 94.1 95.1 95.8 96.8 97.8 99.5 48.9 58.5 64.4 68.1 79.6 80.0 84.1 86.4 87.7 93.7 94.1 95.1 95.8 96.8 97.8 99.8 400 350 48.9 58.5 64.4 68.1 79.6 80.0 84.1 86.4 87.7 93.7 94.1 95.1 95.8 96.8 97.8100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 14 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

\_\_\_\_\_

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FINE									1. 1. 14.4	Š						
FEET	≥10	≥6	2 5			2.3		>'	31.					25 :		
							-	<u> </u>			_ ~					- "
NO CERTIFIC														27.3		
21000														32.6		
* 180FF									-					32.6		
1 81 m														32.7		
> 400														32.8		
21 27 474.														33.3		
- ** I(N ==														34.9		
> 500€														35.8		
± 8000														38.4		
<u>≥ 2006</u>	- 1		27.8											39.2		
6000			28.3											39.8	43.8	41.3
≥ 500°F	-	23.3					38.4								44.3	45.3
> 4500							45.1								51.1	
4000	1		40.6											55.6		
3504	34.8	40.2	44.0	46.I	52.8	53.2	54.7	55.9	56.4	58.5	58.7	58.9	59.4	67.1	61.1	62.1
* 30kH,			- 1											67.7		
2500	40.3	47.7	52.3	55.0	62.6	63.0	64.7	66.2	66.9	69.3	69.6	69.8	70.3	71.1	72.2	73.2
200														74.9		
8.X.	43.3	57.8	55.7	58.9	67.2	67.7	69.4	71.0	71.7	74.3	74.5	74.8	75.3	76.1	77.2	78.2
£ 1500														81.0		
: ≥ 1201	46.0													83.7		85.8
2 100k	46.5															88 • 5
≥ 900	- 1	1												87.4		
≥ 800	46.8													88.5		
2 700	46.8	55.5	61.0	65.2										89.3		
. ≥ 600	46.5	55.5	61.7	65.2	77.4	78.1	81.1	83.6	84.7	88.7	89.0	89.3	89.8	90.7	91.7	92.8
≥ 500	46.3	55.5	61.1	65.2	77.5	78.2	81.3	83.9	85.0	89.4	89.7	90.0	90.5	91.4	92.5	93.6
≥ 40C	46.8	55.5	61.0	65.2	77.5	78.3	81.4	84.2	85.4	90.2	90.6	91.0	91.6	92.5	93.6	94.8
≥ 300	46.8	55.5	61.1	65.2	77.5	78.3	81.5	84.3	85.7	90.8	91.3	91.9	92.5	93.6	94.7	96.2
≥ 200	46.8	55.5	61.9	65.2				,						94.2		
- Ju	46.9	55.5	61.0	65.2	77.5	78.3	81.6	84.4	85.8	91.2	91.7	92.4	93.1	94.3	96.2	99.8
<u> </u>	46.9	55.5	61.0	65.2	77.5	78.3	81.6	84.4	85.8	91.2	91.7	92.4	93.1	94.4	96.31	00.0

TOTAL NUMBER OF OBSERVATIONS 6667

SESSAL CLIMATOLOGY BRANCH

LEAFETAC

AT . WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

J**980-029**0

CERING.	USBN THISTATITE MILES															
' FEET '	≥:0	≥ 6	<u>&gt;</u> ₹	≥ 4	≥ 5	2.2	٤.	•	· .	2	٠.	2	÷ .	25 6		₫.
NO CERING							-	-	-	25.1	_		_			27.7
≥ 2000C ;										26.4					28.3	
≥ 18000		3								26.6						30.1
≥ 15000										26.6					28.4	30.1
≥ 1400€					-					26.8					28.7	30.4
2 12000										26.9						30.5
≥ 10000	17.4	19.7	21.5	22.8	24.8	25.3	25.6	25.7	26.2	27.3	27.3	28.2	28.3	29.0	29.2	30.9
≥ \$00c.	17.5	19.9	21.6	23.0	25.1	25.6	25.8	25.9	26.4	27.5	27.5	28.4	28.5	29.3	29.4	31.1
≥ 800c	19.4	22.0	23.7	25.1	27.4	27.9	28.4	28.5	29.7	30.1	30.1	31.0	31.1	31.9	32.0	33.7
2 7,000	19.5	22.1	24.1	25.4	27.9	28.4	28.9	29.0	29.5	30.6	30.6	31.5	31.6	32.4	32.5	34.2
. 6000	20.7	23.4	25.4	26.8	29.3	29.8	30.3	30.4	30.9	32.0	32.0	32.9	33.0	33.7	33.9	35.6
: 500e	22.2	25.2	27.3	28.8	31.5	32.0	32.5	32.9	33.4	34.6	34.6	35.5	35.6	36.4	36.5	38.2
4500	25.8	29.0	31.1	32.6	35.4	35.9	36.4	36.7	37.2	38.5	38.5	39.3	39.5	40.2	40.3	42.1
≟ 4000	29.9	34.0	36.4	37.8	41.1	41.6	42.2	42.6	43.1	44.4	44.4	45.3	45.4	46.2	46.3	48.0
3500	33.5	37.6	40.0	41.4	45.d	45.5	46.5	47.0	47.5	48.9	48.9	49.8	49.9	50.6	50.7	52.5
≟ 3000	39. C	42.9	45.5	47.0	51.7	52.2	53.2	53.7	54.2	55.6	55.6	56.5	56.6	57.3	57.4	59.2
≥ 2500	40.4	45.7	48.4							58.8					60.7	62.4
≥ 2000	44.8	50.7	54.0							65.4						
> 1800	45.4	51.5								66.9						73.6
≥ 1500	47.9	54.2								72.6					74.7	_
2 1220	48.6	55.0								75.4					77.5	79.3
≥ +000	49.9									79.5				81.4	81.6	83.4
900	50.6	57.3	62.4	65.5	74.3	74.9	77.4	78.5	79.2	8C.6	80.6	81.e	81.8	82.5	32.9	84.6
± 80€	50.6	57.3	i							82.1			83.3	84.0	84.6	86.4
2 700	50.6	57.4	63.0		1	h-				83.1		84.2	84.4	85.1	85.7	87.5
. 3000				,						84.2					87.2	
500										86.4						
.; 500 ≥ 400										89.0						
300	50.9	1	63.3							90.6						
2 700						;		,		91.3						-
										91.3						
, , Oc.										91.3						
	3007	3101	3363	30.4	1002	-11-3	91.0	90.3	2001	71.03	72.5	7 7 9 4	73.7	7361	71011	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLURAL CLIMATOLOGY BRANCH USAFETAC AI~ "EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14" RAMSTEIN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

LNBUTH STATUTE WIES

0300-0500

TOTAL NUMBER OF OBSERVATIONS \_\_\_

839

USAF ETAC .... 0-14-5 (OL A) MEVIOUS EDIT DINS OF THIS FORM ARE OBSOLETE

BLCPAL CLIMATOLOGY BRANCH JS4FETAC AI: \*EATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB DL

73-31

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1996 TH 5141, 18 W (65)

วิยิวัย-ดียงซิ

· i · .							· · - · · - · <del>· · ·</del> ·									
	310	26	₹ .	24	23	2:	2	≥ .	≥ -	Ξ.	• -		-	• • •	7 -	
No. The No.	17.3	12.2	13.3	17.7	15.0	15.0	15.3	15.5	15.7	15.9	16.1	16.2	16.2	16.7	17.2	17.9
3. Parkin				15.Q												
≥ 18063	11.2	13.3	14.6	15.0	16.4	16.4	16.8	17.2	17.4	17.8	17.9	18.3	18.0	18.5	19.0	20.5
\$ 16000	11.2	13.3	14.6	15.1	16.6	16.6	16.9	17.3	17.6	17.9	18.0	18.2	18.2	18.7	19.2	20.6
14000	11.2	13.3	14.6	15.1	16.6	16.6	16.9	17.3	17.6	17.9	18.0	18.2	18.2	18.7	19.2	20.6
± 1200c				15.1												
- 100°	11.7	13.8	15.1	15.6	17.1	17.1	17.4	17.8	18.0	18.4	18.5	18.7	18.7	19.2	19.7	21.1
≥ • • • • • • • • • • • • • • • • • • •				15.9												
≥ 800€	13.3	15.7	17.1	17.7	19.2	19.2	19.5	19.9	20.1	20.6	20.8	20.9	20.9	21.4	21.9	23.4
2 7000	13.5	15.8	17.3	18.Q	19.5	19.5	19.9	20.4	20.6	21.1	21.3	21.4	21.4	21.9	22.4	23.9
> 6(*)*)				18.3												
± 5/00C				20.8												
45.8	18.3	21.1	23.5	24.6	26.7	27.1	27.7	28.3	28.6	29.3	29.4	29.7	29.8	30.3	30.8	32.3
.* 400×	22.9	25.7	28.1	29.2	31.6	32.0	32.8	33.6	34.0	34.7	35.0	35.2	35.5	36.0	36.5	37.9
رين (۱۸۵۸د	25.8	29.7	32.3	33.4	36.2	36.6	37.3	38.3	38.7	39.4	39.7	39.9	40.2	40.7	41.2	42.6
2 59%				36.8												
2500	29.5	34.2	37.6	38.7	42.5	43.3	44.4	45.7	46.4	47.1	47.3	47.7	48.0	48.6	49.1	50.6
; 2000				42.4												
180	32.9	38.6	42.1	43.5	48.1	48.9	50.3	51.9	52.5	53.3	53.5	54.0	54.4	55.0	55.5	57.0
2 1500	35.9	42.5	46.8	48.8	54.4	55.5	57.5	59.2	59.8	60.9	61.2	61.8	62.2	52.8	63.3	64.8
≥ 200	38.8	45.9	51.1	54.4	61.2	62.3	64.5	66.6	67.2	68.4	68.6	69.2	69.6	70.2	70.7	72.2
3 1000	39.4	47.2	53.2	56.7	65.4	66.6	69.0	71.4	72.1	73.2	73.4	74.3	74.4	75.0	75.5	77.7
. 90C	40.2	48.1	54.0	57.8	66.9	68.1	70.6	73.1	73.7	74.9	75.2	75.8	76.1	76.8	77.3	78.7
≥ 800				58.8												
· 700	40.7	49.9	55.0	59.5	70.1	71.3	74.7	77.3	78.0	79.7	80.1	81.0	81.6	82.3	82.9	84.4
≥ 600.	40.8	49.2	55.3	59.7	71.0	72.2	75.8	78.7	80.0	81.8	82.2	83.1	83.9	84.7	85.4	86.9
500				59.7												
490				59.7												
30°				59.7												
2 20€				59.7												
, N				59.7												
	40.8	49.2	55.3	59.7	71.1	72.3	76.9	82.1	83.7	87.8	89.6	91.0	92.3	93.4	95.43	.00.D

USAF ETAC 44 0-14-5 TOL AT PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL.BAL CLIMATOLOGY BRANCH CNAFETAC Al- REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

3930-1150

Early							(	3 14 STA	STEW E							
tEE	≥'\	≥ 6	> 5	<u> </u>	2.1	*	٠.	3	: .	5.	2 4	4 .		2> :		· · · · · ·
NAT - E (254).5 ± 21/000	8.1									14.4						
2 180K1 2 150k3	11.7	12.6	13.5	14.1	16.0	16.3	17.1	17.5	17.8	18.5	18.6	18.9	19.0	19.4	19.6	20.1
≥ 14°0€ ≥ 11 66	12.2	13.8	14.7	15.4	17.7	17.9	18.8	19.3	19.5	19.3	20.4	20.6	20.7	21.1	21.4	21.9
± 1845 ≥ 9300	13.5	15.3	16.3	17.0	19.4	19.6	20.6	21.1	21.4	21.7	22.3	22.6	22.7	23.1	23.3	23.8
9,000 12,0	16.3	13.3	19.3	20.0	23.1	23.3	24.3	25.1	25.3	25.3 26.2 26.5	26.3	26.5	26.7	27.0	27.3	27.8
.7 5000 2 50kd > 4500	13.1	20.9	21.9	22.6	26.3	26.5	27.5	28.3	28.5	29.4	29.5	29.8	29.9	33.2	30.5	31.7
4000	22.5	26.1	27.4	28.4	33.1	33.5	34.6	35.8	36.2	37.2 42.5	37.4	37.7	37.8	38.1	38.5	39.0
2 /000 2 <b>25</b> 04	28 • 8 29 • 9	32.6	34.4	35.9 38.3	44.3	42.7	44.3	46.0	46.8	48.0 51.0	48 · 3	49.5	48.6 51.6	49.1 52.1	49.5 52.5	50.1 53.1
± 200°	33.5	39.0	41.6	43.7	50.9	51.7	54.2	56.2	57.3	57.0	59.0	59.3	59.4	59.9	60.2	60.9
2 1500 2 1000 2 1000	38.0	45.4	50.2	53.5	64.8	65.9	69.4	72.1	73.3	70.0 75.3 81.2	75.6	75.8	75.9	76.4	71.5	77.4
> 200:	39.1	47.4	52.8	56.5	70.5	71.7	75.9	78.9	80.2	82.6	83.0	83.2	83.5	84.1	84.6	85.2
2 7.A.	39.8	48.4	54.	57.9	72.6	74.0	78.8	81.9	84.0	86.7	87.0	87.3	8.76	88.4	89.0	89.6
50f1 <u></u> 400	39.8	48.4	54.d	57.9	73.3	74.7	80.2	84.2	87.3	89.6	91.5	91.7	92.2	92.8	93.7	94.3
30V 30V	39.8	48.4	54.0	57.9	73.3	74.7	80.2	84.3	87.8	91.7	92.8	93.8	94.6	95.3	96.7	99.0
9 (9) 9 (9) 										92.2						

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC - 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH SSAFETAC Ale Weather Service/MAC

#### CEILING VERSUS VISIBILITY

1 :147 RAMSTEIN AB DL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1239-1400

13.6 14.8 15.7 17.0 19.1 19.1 19.1 19.1 19.3 19.4 19.4 19.4 19.4 19.4 19.4 2 5 mil . 0( 5000 4500 ₹ 4000 1500 40.5 45.2 47.8 50.2 56.2 56.5 57.2 57.7 57.9 58.4 58.4 58.5 58.5 58.6 56.8 58.8 42.1 47.4 50.0 52.8 59.8 60.1 61.0 61.5 62.0 62.5 62.6 62.6 62.7 62.8 62.8 45.3 51.4 54.1 57.0 64.4 64.8 65.8 66.4 67.3 67.8 67.8 67.9 67.9 68.7 68.1 68.1 2500 2000 46. 4 52. 6 55. 6 58. 5 66. 2 66. 5 67. 7 68. 3 69. 1 69. 6 69. 6 69. 8 69. 8 69. 9 72. 0 70. 0 49.5 56.4 60.5 63.8 73.1 73.6 74.8 75.6 76.4 77.2 77.2 77.3 77.3 77.4 77.5 77.5 50.6 58.0 62.5 66.4 77.0 77.8 79.4 80.1 81.0 82.1 82.1 82.2 82.2 82.3 82.5 82.5 51.6 59.4 64.7 69.3 80.7 81.6 83.6 84.4 85.4 86.5 86.5 86.7 86.7 86.8 86.9 86.9 51.7 59.6 64.9 69.6 81.9 82.7 84.8 85.7 86.7 87.8 87.8 87.9 87.9 88.0 88.1 88.1 ÷ 1200 900 800 ≥ 706 ≥ 500 400 300 52.3 60.2 65.7 71.1 85.2 86.4 90.2 92.8 94.3 97.5 97.8 98.4 98.5 98.8 98.9 99.8 52.3 60.2 65.7 71.1 85.2 86.4 90.2 92.8 94.3 97.5 97.8 98.5 98.8 99.0 99.1100.0 52.3 60.2 65.7 71.1 85.2 86.4 90.2 92.8 94.3 97.5 97.8 98.5 98.8 99.0 99.1100.0 2 200

TOTAL NUMBER OF OBSERVATIONS 81

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIPAL CLIMATOLOGY BRANCH JEAFETAC AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

RAMSTEIN AB DL

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

-220-26-29-24 , 24-29-24 , 24-29-24 , 24-29-24 , 24-29-2461.4 68.3 74.9 78.5 89.6 89.9 91.5 93.0 94.9 98.4 98.4 99.1 99.3 99.3 99.3100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIBAL CLIMATOLOGY BRANCH 15 AFETAC AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 :141 RAMSTEIN AB DL 73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

1800-2000

VISIBLE 1 STATUTE MULES 211 26 25 24 23 27 21 31 21 21 VO FILM: 19.1 21.6 23.3 24.2 25.8 26.0 26.5 26.8 26.9 27.0 27.0 27.0 27.2 27.5 27.8 28.3 21.9 24.6 26.7 27.8 29.5 29.8 30.2 30.5 30.6 30.9 31.0 31.0 31.1 31.5 31.7 32.2 22.3 25.1 27.2 28.3 30.0 30.2 30.7 31.0 31.1 31.4 31.5 31.5 31.6 32.0 32.2 32.7 22.3 25.1 27.2 28.3 30.0 30.2 30.7 31.0 31.1 31.4 31.5 31.5 31.6 32.0 32.2 32.7 22.7 25.6 27.7 28.8 30.5 30.7 31.2 31.5 31.6 31.9 32.0 32.0 32.1 32.5 32.7 33.2 = 400°. 23.0 25.8 27.9 29.0 30.7 31.0 31.5 31.7 31.9 32.1 32.2 32.2 32.3 32.7 33.0 33.5 24.7 27.7 29.8 30.9 32.7 33.0 33.5 33.7 33.8 34.1 34.2 34.2 34.2 34.3 34.7 34.9 35.4 25.2 28.4 30.5 31.6 33.6 33.8 34.3 34.6 34.7 34.9 35.1 35.1 35.2 35.6 35.8 36.3 26.5 30.0 32.3 33.5 35.7 35.9 36.4 36.7 36.6 37.0 37.2 37.2 37.3 37.7 37.9 38.4 2 1 1 1 1 1 1 1 1 27.0 30.5 32.8 34.1 36.5 36.8 37.3 37.5 37.7 37.9 38.0 38.0 38.1 38.5 38.8 39.3 27.0 30.5 32.8 34.1 36.5 36.8 37.3 37.5 37.7 37.9 38.0 38.0 38.1 38.5 38.8 39.3 28.9 32.3 34.7 36.2 38.9 39.1 39.6 39.9 40.0 40.2 40.4 40.4 40.5 40.9 41.1 41.6 33.6 37.5 40.1 41.7 44.7 44.9 45.6 45.8 45.9 46.2 46.3 46.3 46.4 46.8 47.0 47.5 35.9 40.0 43.1 44.7 47.9 48.1 48.8 49.4 49.5 49.8 49.9 49.9 50.0 50.4 50.6 51.1 39.3 44.1 47.3 49.5 53.2 53.5 54.2 54.8 54.9 55.2 55.3 55.3 55.4 55.8 56.0 56.5 5(নাম) 46 · 44.3 50.5 53.8 56.3 62.0 62.2 63.0 63.6 63.7 64.3 64.4 64.4 64.6 64.9 65.2 65.7 7500 48.4 55.2 58.6 61.6 67.3 67.5 68.3 68.9 69.0 69.6 69.8 69.8 69.9 70.2 70.5 71.0 53.0 6D.2 64.3 67.7 74.0 74.2 74.9 75.6 75.7 76.3 76.4 76.4 76.5 76.9 77.2 77.7 78.0 53.6 61.0 65.1 68.4 74.7 74.9 75.7 76.3 76.4 77.7 77.2 77.2 77.3 77.7 77.9 78.4 3000 2500 2000 54.4 62.5 66.5 70.6 78.1 78.4 79.1 79.8 79.9 81.2 81.4 81.4 81.5 81.9 82.1 82.6 54.9 63.1 67.4 71.5 79.9 80.1 81.0 81.6 81.7 83.1 83.2 83.2 83.3 83.7 84.0 84.4 55.4 63.8 68.5 73.1 82.3 82.6 83.8 84.4 84.6 85.9 86.0 86.0 86.2 86.5 86.8 87.3 55.4 63.8 68.5 73.2 82.5 83.0 84.2 84.8 84.7 86.3 86.4 86.4 86.5 86.9 87.2 87.7 55.9 64.8 69.9 74.6 84.7 85.6 87.3 88.3 88.5 89.9 90.0 90.0 90.1 90.5 90.7 91.2 55.9 64.8 69.9 74.6 84.9 85.8 88.3 89.9 90.1 91.6 91.7 91.7 91.9 92.2 92.5 93.0 55.9 64.8 69.9 74.6 85.1 85.9 88.4 90.2 91.2 94.4 94.6 94.6 94.7 95.1 95.3 95.8 56.0 64.9 70.0 74.7 85.2 86.0 88.9 91.0 92.1 95.4 95.6 95.6 95.7 96.0 96.3 96.8 56.0 64.9 70.0 74.7 85.2 86.0 89.0 91.4 92.5 96.2 96.3 96.3 96.4 96.8 97.0 97.5 56.0 64.9 70.0 74.7 85.2 86.0 89.0 91.4 92.8 97.3 97.4 97.8 97.9 98.3 98.5 99.4 2 60C 56.3 64.9 70.0 74.7 85.2 86.0 89.0 91.4 93.0 97.5 97.7 98.3 98.1 98.6 98.9 99.9 56.3 64.9 70.0 74.7 85.2 86.0 89.0 91.4 93.0 97.5 97.7 98.3 98.1 98.6 98.9 99.9 56.0 64.9 70.0 74.7 85.2 86.0 89.0 91.4 93.0 97.5 97.7 98.0 98.1 98.6 99.0100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

SLCBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 -143 RAMSTEIN AB DL

73-81

\_ <u>NOV</u> -

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ASBUTT STATUTE WIES

2130-2300

FILN:																
*11	2 0	≥ 6	5 5	≥ 4	- ·	2.2	2.	5.	≛* .	•	٠.	1 +		** *	٠.	٠
NO CELNO	19.9	21.1	21.9	22.3	24.3	24.4	24.9	25.7	25.7	25.9	25.9	26.Q	26.4	26.8	27.0	27.9
± 2000K	23.4		23.5	24.3	26.5	26.7	27.2	27.9	28.0	28.3	28.3	28.4	28.8	29.1	29.4	36.2
2 18.83	20.5	22.7	23.6	24.4	26.7	26.8	27.3	28.0	28.1	28.4	28.4	28.5	28.9	29.4	29.6	30.5
- 15/11k	20.5	22.7	23.5	24.4	26.7	26.8	27.3	28.0	28.1	28.4	28.4	28.5	28.9	29.4	29.6	30.5
2 4000	20.9	23.1	24.0	24.8	27.0	27.2	27.7	28.4	28.5	28.8	28.3	28.9	29.3	29.8	30.ď	30.9
2 20%	21.1						27.9								30.4	31.2
FN et	22.3		25.4				29.5									
. ≥	22.6						29.8									· · · · -
± 360€	24.1		- 1				31.6		,						34.1	34.9
2 7 80.	24.4						32.2							34.4	34.7	
≥ 5000	24.3						32.6									
9 S/66	26.3						35.4								38.3	
₹ 45 €	30.2			-	_		41.2									
2 400%	33.5		-				45.9							49.3	49.5	
≥ 3500					-		49.0		;							
					1	1	55.4							_	•	60.2
≥ 2500			L.				60.6	7								
≥ 2006	47.5		56.2				66.8								70.7	
. 800		54.8	61.0				68.4							72.1		
	50.6		62.3		1	1	73.5	- 7						77.7	17.9	78.8
≥ 1200 ≥ 1000	51.7		63.3				78.4									83.7
· — — — — — —	52.1			67.3			79.3									
. 900 ≥ 800		59.9		,			81.6		,							
	52.5			1	:	- 1	83.0									
≥ 700 ≥ 500 ·	52.5		•	68.6		- 1	83.2	1								-
·	52.5						83.3	- 1				-1				
± 500. ≥ 400	52.5	60.1	65.1			i	84.0	-								
	52.5	60.1			1	- 7	84.2		,							
≥ 300 ± .00	52.5	60.1	65.1	68.6	79.5	1	84.2						_	97.5		
> 90	52.5	60.1	65.1				84.2									· · · ·
3 00	52.5						84.2									
<u> </u>																

TOTAL NUMBER OF OBSERVATIONS

TAC 1.54 0+14+5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLE

SECRAL CLIMATOLOGY BRANCH USAFETAC ATH AEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 - 14C RAMSTEIN AB OL

73-61

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

€1,150,014 FFE										-			-			
• • •	≥ 10	<u> ≥ 6</u>	: "	: 4		٠.	•	*	•		٠.				٠.	?
	· 10 7		17 7	10 5	22 1	26.3	30.3	- i		21.5			<u></u> -	<del></del>	·	e
2004 K	16.7	13.8	20.2	21.1	22. a	21.1	21 6	20.7	2401	24.6	24.7	21.0	25 0	25 7	22.4	26.5
→ 80C	17.	10.1	20.4	21.4	21.2	21.1	23.0	24.1	24.4	24.9	25.7	25.2	25 3	25.6	7 2 6 6	26 7
										25.1						
1.)(H	* 17.4	16.0	27.8	71.8	23.7	53.2	24.7	24.6	24.8	25.4	25.4	25.5	25.8	24.1	26 . 4	27 1
										25.8						
- THURK										26.9						
- CINK										27.3						
> 800G	20.6	23.1	24.6	25.6	27.8	27.9	28.5	28. A	29.0	29.6	20.7	29.0	30.0	30.4	30.6	31.4
2 1000										30.5				31.2		
+ 5.78 ±										31.2						
5,500										33.7						
4500										38.2						
2 4000										42.9						
3500										47.7						
≥ 30cc										55.3						
2 2500	43.1	45.4	48.2	50.2	55.3	55.7	56.9	57.7	58.2	59.2	59.3	59.5	59.7	60.1	60.4	61.2
≥ 2000										65.3						
≥ 180C										66.9						
2 1505										73.5						
2 1200	48.3	55.4	60.0	63.2	71.5	72.1	74.3	75.5	76.1	77.5	77.5	77.9	78.0	78.5	78.8	79.6
± 100k	48.9	56.5	61.8	65.4	75.1	75.7	78.2	79.5	80.2	81.6	81.7	82.1	82.3	82.7	83.0	83.3
2 900										82.9						
) ≥ 80X										85.4						
ž 700	,									87.2						
- 60X	49.8	57.8	63.4	67.4	78.7	79.5	83.1	85.3	86.5	89.0	89.3	89.7	89.9	90.4	90.9	91.7
: 500	49.8									90.6						
≥ 460	49.8									92.1						
2 300										93.2						
≥ 200										93.7						
2 100										93.8						
≥ °	49.8	57.9	63.5	67.5	78.9	79.8	84.1	87.8	89.7	93.8	94.5	95.3	95.8	96.6	97.81	100.0

USAF ETAC 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 - 140 RAMSTEIN AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

J000-0200

Z EUJI <b>N</b> ji j							- 5 :	· 14	t the second							
eff.	≥ 10	≥ 6	2 5	<i>≟</i> 4	31				• .		2 -	· -		- · ·		
NO TENNY										20.4						
2.1800	12.1	14.3	16.2	17.7	2 - 9	23.9	21.5	22.0	22.5	22.6	22.6	22.5	22.6	22.6	23.3	
- 1.1566€ 	12.1	14.3	16.2	17.7		20.9				22.6					23.3	23.7
≥ 14.00 ≥ 1.000	12.2	14.5	16.2	18.2	21.4	21.4	22.0			22.6	23.1		23.1	22.6	23.3	23.7
> 1:00c	12.4		17.1	19.0			22.9						24.1		25.1	
\$ 8000	13.0	15.3	17.2	19.1	22.5	22.5	23.1	23.5		24.1	24.1	-	24.3	24.5	25.2	25.6
3 8000	13.4	16.2	18.2	20.1						25.3			25.4	25.7	26.4	26.8
* 7000 	13.9	16.2		_	23.7					25.8			25.9	26.3	27.0	27.4
_2	14.2			20.4						26.2					27.4	
										28.7 32.5					29.9 77. *	30.2
* 450€ ≟ 4√00										36.9						
3500										39.5						
3 3000										45.2						
≥ 2500										48.3					49.Ť	50.3
2000	35 · A	1								58.9					63.3	
1500	36 · 8	41.5		49.5						60.6						
F	41.7								,	70.3					68.5	69.1
: ≥ 1200 ≥ 100c L	44.4	51.3								75.9					-	77.9
> 900	44.9	51.9								78.3						
2 900	45.3	52.7	57.8	63.7	74.6	75.0	77.1	78.6	79.5	81.0	81.0	81.3	81.1	81.7	82.4	83.0
≥ 700·	45.3		58.3	7				1		84.0						86.0
. ≥ 600	45.4		58.5			78.3		1		87.0	:					
± 50€	` _ `	53.2	58.7			79.0				90.0						
400	45.5	53.2	58.7	65.1	1	79.5				92.2						94.9
2 200 2 200	45.5	53.2	58.7		78.4	79.5				93.5				-		
→		53.2	58.7	65.1	78.4	79.5				93.8						
	45.5	53.2	58.7	65.1	78.4	79.5				93.8						00.0

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC 0-14-5 (OL A) MERIOUS EDITIONS OF THIS FORM ARE DESCRETE

SLIPAL CLIMATOLOGY BRANCH

USAFETAC

ATH REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 - 14 1 RAMSTEIN AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0300-0500

EL No.							.15 [	31, 14 × 14	1.16 <b>v</b> t	,						
rii.	315	≥ 6	₹5	2-4		22	2.	2	2 .	2	· ·	2.		• • •	• ,	?
The Park										17.7						19
र्शन्तिस										18.8						
2 H W	10.4	12.3	13.2	13.9	16.9	17.2	17.8	18.3	18.5	18.8	18.9	18.9	19.1	19.4	20.0	20.3
* \$1 p	10.9	12.0	13.2	13.9	16.9	17.2	17.8	18.3	18.5	18.8	18.9	18.9	19.1	19.4	20.0	20.3
										18.9						
	11.2	12.3	13.5	14.2	17.2	17.6	18.2	18.7	18.9	19.1	19.3	19.3	19.5	19.7	20.3	20.7
The second										19.7						
2.9	11.5	12.7	13.9	14.6	17.7	18.1	18.7	19.1	19.4	19.7	19.9	19.9	20.2	20.5	21.1	21.4
										21.8						
1 1 He.										22.7						
1.50										23.1						
	14.8	16.5	18.2	19.7	23.6	23.9	24.5	25.0	25.2	25.6	25.7	25.7	26.1	26.3	26.9	27.3
4 6	18.3	23.1	21.9	23.6	27.8	28.1	28.7	29.4	29.8	30.1	30.3	30.3	30.6	30.9	31.5	31.8
* 4 OC	20.1	22.5	24.3	26.1	37.3	31.0	31.7	32.5	32.9	33.6	33.7	33.7	34.1	34.3	34.9	35.4
* 10	24.2	26.7	29.6	30.7	34.9	35.6	36.4	37.2	37.6	38.3	38.4	38.4	38.8	39.0	39.6	40.1
.* 30KK	26.3	29.8	31.9	34.3	39.1	39.8	43.6	41.4	41.7	42.5	42.6	42.6	42.9	43.2	43.8	44.5
± 25(%)	29.2	32.8	35.4	38.2	43.5	44.3	45.5	46.4	46.8	47.6	47.7	47.7	48.1	48.3	48.9	49.6
и даж	34.9	38.9	41.9	44.7	51.2	52.0	53.3	54.5	54.9	55.9	56.0	56.0	56.3	56.6	57.2	57.9
. 2 BOx	35.4	39.7	42.7	45.6	52.2	53.0	54.4	55.6	56.0	56.9	57.1	57.1	57.4	57.7	58.3	59.0
- 150k	41.4	47.0	50.8	54.3	61.7	62.6	64.2	65.6	65.9	66.9	67.0	67.0	67.3	67.6	68.2	68.9
										70.0						
2 000										76.1						
→ 900										78.6						
≥ 800	45.7	52.4	57.4	62.2	72.7	73.6	77.2	78.8	79.4	80.5	80.6	80.7	81.1	81.3	81.9	82.7
2 700										83.5						
≥ 600										85.8						
≥ 500	1									88.9						
' ≥ 400	1 1	53.0	58.4	63.3	77.3	78.6	84.3	87.4	89.1	91.0	91.1	91.3	91.7	92.0	92.6	93.3
≥ 300		53.d	58.4	63.3	77.3	78.6	84.3	87.7	89.7	92.5	92.6	93.2	93.7	93.9	94.5	95.2
≥ 200		53.d								93.4						
≥ '00			,							93.7						
≥ )	45.8	53.0	58.4	63.3	77.3	78.6	84.3	87.7	89.7	93.7	93.9	94.6	96.2	97.5	98.41	00.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

836

SLARAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 147 CATON SOUTH

73-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

3600-0800

13.3 11.7 13.0 13.9 13.5 16.6 17.2 17.4 17.8 17.9 17.9 17.9 18.0 18.4 18.6 18.8 11.1 12.7 14.1 14.9 18.3 18.4 19.0 19.4 19.7 19.8 19.8 19.8 20.0 20.3 27.5 20.7 11.1 12.7 14.1 14.9 18.3 18.4 19.0 19.4 19.7 19.8 19.8 19.8 20.0 20.3 20.5 20.7 11.1 12.7 14.1 14.9 18.3 18.4 19.0 19.4 19.7 19.8 19.8 19.8 20.0 20.3 20.5 20.7 11.1 12.7 14.1 14.9 18.3 18.4 19.0 19.4 19.7 19.8 19.8 19.8 20.0 20.3 20.5 20.7 11.1 12.7 14.1 14.9 18.3 18.4 19.0 19.4 19.7 19.8 19.8 19.8 20.0 20.3 20.5 20.7 11.1 12.7 14.1 14.9 18.3 18.4 19.0 19.4 19.7 19.8 19.8 19.8 20.0 20.3 20.5 20.7 11.1 13.3 14.6 15.5 18.9 19.0 19.7 20.1 20.4 20.8 20.8 20.8 20.8 20.0 21.3 21.6 21.9 11.3 13.4 14.7 15.7 19.0 19.1 19.8 20.2 20.5 20.9 20.9 20.9 21.0 21.3 21.4 21.7 22.7 12.9 14.9 16.2 17.4 20.8 20.9 21.7 22.1 22.5 22.8 22.8 22.8 22.8 22.8 22.9 23.3 23.7 23.9 13.5 15.5 16.8 18.0 21.4 21.5 22.3 22.7 23.1 23.4 23.4 23.4 23.5 23.9 24.3 24.5 12.9 14.9 16.2 17.4 20.8 20.9 21.7 22.1 22.5 22.8 22.8 22.8 22.9 23.3 23.7 23.9 13.9 15.5 16.8 18.0 21.4 21.5 22.3 22.7 23.1 23.4 23.4 23.4 23.5 23.5 23.7 24.5 13.6 15.7 17.0 18.2 21.5 21.6 22.5 22.8 23.2 23.5 23.5 23.5 23.7 24.0 24.4 24.6 14.3 16.8 18.2 19.5 23.2 23.3 24.1 24.5 24.9 25.2 25.2 25.2 25.3 25.7 26.0 26.3 16.6 19.1 23.4 21.9 25.8 25.9 26.8 27.1 27.5 27.8 27.8 27.8 27.8 28.0 28.3 28.7 28.9 19.7 22.5 24.1 25.8 30.2 30.5 31.4 31.8 32.1 32.9 33.0 33.0 33.1 33.5 33.8 34.1 23.3 26.5 28.2 29.9 34.6 34.9 35.8 36.2 36.6 37.3 37.4 37.4 37.5 37.9 38.2 38.5 26.2 29.9 31.7 33.3 38.6 38.8 40.0 40.4 40.7 41.7 41.8 41.8 41.9 42.4 42.8 43.2 29.6 33.5 33.5 33.8 34.1 43.6 43.7 50.3 50.5 52.2 52.2 53.3 54.5 54.6 54.6 54.7 55.2 55.6 56.3 35.9 39.4 41.6 43.7 50.3 50.5 52.2 52.8 53.3 54.5 54.6 54.6 54.7 55.2 55.6 56.3 35.9 39.4 41.6 43.7 50.3 50.5 52.2 52.8 53.3 54.5 54.6 54.6 54.7 55.2 55.6 56.3 35.9 39.4 41.6 43.7 50.3 50.5 52.2 52.8 53.3 54.5 54.6 54.6 54.7 55.2 55.6 56.3 35.9 36.8 41.5 43.6 45.8 52.3 52.6 54.9 55.1 55.6 57.0 57.1 57.1 57.2 57.7 58.1 58.5 42.4 49.0 51.4 54.2 62.4 62.6 64.9 65.5 65.9 67.5 67.6 67.6 67.6 67.7 68.2 68.6 69.1 43.8 51.0 53.5 58.3 61.9 71.3 71.0 73.5 74.1 74.8 76.6 76.7 76.7 76.8 77.3 77.7 78.1 47.0 47.1 55.3 58.3 61.9 71.3 71.0 73.5 74.1 74.8 76.6 76.7 76.7 76.8 77.3 77.7 78.1 47.0 55.3 58.3 61.9 71.3 71.0 73.5 74.1 74.8 76.6 76.7 76.7 76.8 77.3 77.7 78.1 47.0 55.3 58.4 62.2 72.3 72.9 76.6 77.2 78.0 80.0 80.2 80.2 80.3 80.8 81.1 81.6 47. 55.3 58.3 61.9 71.3 71.6 74.8 75.4 76.1 77.9 78.0 78.0 78.1 78.6 79.0 79.5 47.0 55.3 58.4 62.2 72.3 72.9 76.6 77.2 78.0 80.0 80.2 80.2 80.3 80.8 81.1 81.6 47.2 55.7 58.9 62.8 74.3 74.9 79.0 79.8 80.8 82.9 83.0 83.0 83.0 83.2 83.8 84.1 84.6 47.3 55.8 59.0 63.1 75.5 76.2 81.2 81.1 83.5 86.3 86.4 86.4 86.4 86.7 87.3 87.7 88.2 47.3 55.8 59.0 63.4 77.2 77.9 83.6 84.8 86.4 89.8 90.0 90.0 90.0 90.3 90.9 91.3 91.6 47.3 55.8 59.0 63.4 77.7 78.3 88.2 85.8 87.5 91.2 91.3 91.3 91.5 91.2 92.6 93.1 55.8 59.0 63.4 77.7 78.4 88.3 86.4 88.4 93.4 93.5 93.5 93.9 94.5 94.9 95.3 47.3 55.8 59.0 63.4 77.7 78.4 84.3 86.4 89.0 94.7 95.1 95.2 95.7 96.3 96.9 97.5 47.3 55.8 59.0 63.4 77.7 78.4 84.3 86.4 89.0 94.7 95.1 95.2 95.7 96.3 96.9 97.5 47.3 55.8 59.0 63.4 77.7 78.4 84.3 86.4 89.0 94.7 95.5 95.7 96.5 97.5 98.8100.0 47.3 55.8 59.0 63.4 77.7 78.4 84.3 86.4 89.0 94.7 95.5 95.7 96.5 97.5 98.8100.0 47. 3 55.8 59.0 63.4 77.7 78.4 84.3 86.4 89.0 94.9 95.5 95.7 96.5 97.5 98.8100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

837

USAF ETAC 194 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC All Meather Service/Mac

# CEILING VERSUS VISIBILITY

1 144 RAMSTEIN AB OL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0930-1133

(E) NO							. % !	5, 1, 414	'.'E ₩.E	•						
FEE*	≥1.	≥ 5	2 1	_* 4	2.5	27	≥ :	2	21	·	2 4	: -		26.6	٠.	:
NO CEUN	5.7	9.1	17.3	10.9	14.5	14.7	15.1	15.3	15.7	16.2	16.2	16.2	16.3	16.3	16.3	16.3
≥ 200000		10.4														
≥ 1800€	8.1	10.4	11.8	12.7	17.3	17.5	18.0	18.2	18.7	19.2	19.2	19.2	19.3	19.4	19.4	19.4
2 5000	8.7	10.4	11.8	12.7	17.3	17.5	18.0	18.2	18.7	19.2	19.2	19.2	19.3	19.4	19.4	19.4
± 1450€	9.2	13.6	11.9	12.8	17.4	17.6	18.1	18.3	18.8	19.3	19.3	19.3	19.4	19.5	19.5	19.5
* 1,500a	8.2	10.6	11.9	12.8	17.5	17.7	18.3	18.6	19.1	19.5	19.5	19.5	19.7	19.8	19.8	19.8
. 104.00C	8.6	11.2	12.6	13.9	18.9	19.2	19.9	20.1	20.7	21.2	21.2	21.2	21.3	21.5	21.5	21.5
<b>≥</b> 9.9(4	9.1	11.6	13.1	14.4	19.5	19.8	20.5	20.7	21.3	21.8	21.8	21.8	21.9	22.1	22.1	22.1
8000		12.5														
2 790		12.9													24.3	24.3
<ul> <li>6000</li> </ul>	10.4	13.1	14.6	16.2	21.6	21.9	22.9	23.1	23.7	24.2	24.2	24.2	24.3	24.5	24.5	24.5
5000		15.2													27.5	27.5
± 450¢		16.8													29.9	29.9
.≥ 4000°		20.4								35.1						35.4
≥ 3500		22.7													39.3	39.3
3 3000		27.9													46.4	46.4
2 2500		30.6														
≥ 2000		36.0														
2 1800		37.5												-	-	
2 (500		41.6														
≥ 1200 ≥ 1000		43.3								70.1						
·	30.4	44.7	50 3	34.1	70 4	70.0	72.1	73.1	79.9	76.9	77.0	77.0	77.1	71.5	77.5	77.5
	36.6	45.1	50.7	56 6	7004	72 7	75 0	74.7	70.1	78.1	18.2	78.2	78.3	18.1		
·		46.0													81.1	
≥ 700 ≥ 500	36.6		51.9							86.8						
<b></b>	36.6									91.0						
≥ 500 -	36.6	46.Q	i			í			}	92.7	/					
30%	36.6									94.1						
2 700										94.4						
2 100		46.0														
2 130		46.0														
	2300	7014							00.0	7 4 6 0	,,,,,	, , , ,	7101	70 6.3	77.04	.0000

TOTAL NUMBER OF OBSERVATIONS 83

USAF ETAC 0-04 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLCBAL CLIMATOLOGY BRANCH USAFETAC Al- REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 5140 RAMSTEIN AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

(11N)							V-5-E	· · · · · ·	* . ** ** ÷							
kalen in r	210	26	31	> 4	≥ 3	2:	2.	3,			1 -	2 -	2			
N 7 (ESSN) 2 20000										15.0 18.8						
2 (8000)					-		_			18.9						
는 14.4년 로 12년년	11.0	13.7	15.2	16.2	18.3	18.3	18.7	18.9	19.2	19.d 19.4	19.4	19.4	19.4	19.4	19.8	19.8
in Tiponet ≥ Projec	12.3	15.2	16.9	18.4	20.8	21.0	21.7	21.9	22.2	22.3	22.4	22.4	22.4	22.4	22.8	22.8
* 8000 2 *000	13.8	17.0	19.8	20.5	23.7	23.8	24.8	25.0	25.3	24.2 25.5 25.7	25.5	25.5	25.5	25.5	25.9	25.9
2 610% - 4764 	14.9	18.4	27.2	21.9	25.3	25.4	26.5	26.9	27.2	27.4 29.7	27.4	27.4	27.4	27.4	27.8 30.1	27.8
45.4 - 406c 	19.4	23.5	25.7	27.4	31.3	31.4	32.5	33.1	33.3	33.5	33.5	33.5	33.5	33.5	33.9	33.9
3900 	28.3	33.8	36.9	38.6	42.6	43.1	44.4	45.1	45.5	45.9	45.9	45.9	46.0	46.0	46.3	46.3
7 2001								1		57.0 59.0						
2 150k 2 170r	42.1	50.7	55.3	59.3	67.5	68.I	71.3	72.5	73.1	73.9	74.0	74.0	74.1	74.1	74.5	74.5
906	42.3	51.3	57.2	60. H	72.2	72.8	76.6	77.8	78.4	78.6	79.9	79.9	80.0	80.0	80.4	80.4
: 800 	42.8 42.8	52.3	1	62.4	75.6	76.4	81.3	82.8	83.7	83.7 86.1 89.5	86.2	86.6	86.7	86.7	87.1	
500 400	42.8 42.8	52.3	58.3	62.4	77.1	78.2	83.6	86.6	88.9	92.7	92.8	93.3	93.4	93.4		93.8
30k 20C	42.8 42.8	52.3	58.3	62.4	77.1	78.2 78.2	83.7	87.1 87.1	89.9	95.6	96.2	96.9	97.8	97.8	98.2	98.2
	42.8 42.8									95.9						

TOTAL NUMBER OF OBSERVATIONS 8

USAF ETAC 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DLIBAL CLIMATOLOGY BRANCH USAFETAC AIT WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 -14" RAMSTEIN AB EL

73-81

DFC

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

COSIDE THE STATE OF MICES

1530-1700

TOTAL NUMBER OF OBSERVATIONS 834

USAF ETAC . ... 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

BLANAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 14 RAMSTEIN AB OL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

\_\_\_\_\_\_

18:10-2000

210 ≥6 10 24 26 TENNS 12.5 14.9 16.5 16.9 18.8 18.9 19.3 19.5 19.5 20.0 20.0 20.0 20.0 20.1 20.1 20.1 14.1 17.1 19.2 19.7 21.7 21.8 22.2 22.5 22.5 23.0 23.0 23.1 23.1 23.3 23.3 23.4 23.4 14.1 17.3 19.3 19.8 21.9 22.3 22.7 22.7 23.1 23.1 23.3 23.3 23.4 23.4 23.5 14.1 17.3 19.3 19.8 21.8 21.9 22.3 22.7 22.7 23.1 23.1 23.3 23.3 23.4 23.4 23.5 14.4 17.5 19.5 20.1 22.2 22.3 22.7 23.0 23.0 23.5 23.5 23.6 23.6 23.7 23.7 23.7 23.9 2 . MHHO 2.5 % 4000 14.7 18.0 23.1 20.9 22.9 23.0 23.4 23.7 23.7 24.3 24.3 24.5 24.5 24.6 24.6 24.7 15.9 19.4 21.8 22.8 25.8 25.9 26.3 26.7 26.7 27.3 27.3 27.5 27.5 27.6 27.6 27.7 > 2007 16.2 19.7 22.2 23.1 26.1 26.3 26.6 27.1 27.1 27.7 27.7 27.8 27.8 27.9 27.9 28.1 16.1 20.0 22.4 23.6 27.1 27.2 27.6 28.3 28.3 28.9 28.9 29.0 29.1 29.1 29.1 29.3 16.7 20.1 22.8 23.9 27.3 27.5 27.8 28.5 28.5 29.1 29.3 29.5 29.5 29.6 29.6 29.7 16.7 20.1 22.8 24.0 27.5 27.6 27.9 28.7 28.7 29.3 29.4 29.6 29.6 29.7 20.7 29.9 2500 17.4 20.9 23.6 24.9 28.4 28.5 28.9 29.7 29.7 30.3 30.5 30.7 30.7 30.8 30.8 30.9 19.8 23.5 26.4 27.7 31.4 31.5 31.9 32.7 32.7 33.3 33.5 33.7 33.7 33.8 33.8 33.9 23.4 27.9 33.9 32.3 36.1 38.4 38.5 38.5 38.6 37.4 37.4 38.0 38.1 38.4 38.4 38.5 38.5 38.6 4 4 002 25.8 30.6 33.8 35.0 38.8 39.7 39.3 40.2 40.2 40.9 41.0 41.2 41.2 41.4 41.4 41.5 29.7 36.1 39.2 41.1 45.9 46.0 46.4 47.2 47.5 48.4 48.6 48.9 48.9 49.2 49.2 49.3 33.1 40.0 43.4 45.4 51.0 51.1 51.4 52.3 52.5 53.7 53.8 54.2 54.2 54.4 54.4 54.6 38.1 45.3 49.5 52.3 58.9 59.0 59.5 60.3 60.6 62.0 62.1 62.5 62.5 62.7 62.7 62.8 \* 483 200 . '8/H 38.9 46.0 50.4 53.5 60.1 60.2 60.7 61.5 61.8 63.2 63.3 63.7 63.7 63.9 63.9 64.0 41.0 50.1 55.9 59.6 67.0 67.1 68.3 69.2 69.4 71.0 71.1 71.5 71.5 71.7 71.8 73.0 73.9 54.0 59.2 65.3 76.3 76.3 76.5 76.5 76.6 43.4 54.0 60.2 64.6 74.3 74.7 76.3 77.1 77.5 79.4 79.5 79.9 79.9 80.1 80.1 80.1 80.2 43.9 54.4 67.7 65.7 76.2 76.9 78.3 79.1 79.5 81.4 81.5 81.9 81.9 82.1 82.1 82.3 43.5 54.4 60.7 66.2 76.9 77.2 79.4 80.7 81.2 83.2 83.3 83.7 83.7 83.9 83.9 84.1 43.9 54.9 61.2 66.7 78.4 78.8 81.5 83.2 83.8 86.2 86.3 86.7 86.7 86.9 86.9 87.1 1200 SUN. 2 804 · · · 43.9 54.9 61.2 66.8 78.5 79.3 83.0 84.9 85.9 89.0 89.1 89.6 89.6 89.8 89.8 89.9 43.9 54.9 61.2 66.8 78.9 79.7 83.9 86.0 87.4 91.6 91.7 92.2 92.4 92.7 92.7 92.8 43.9 54.9 61.2 66.8 79.0 79.9 84.2 86.7 88.5 93.5 93.8 94.2 94.5 94.7 94.7 94.8 43.9 54.9 61.2 66.8 79.0 79.9 84.2 86.8 89.3 95.3 95.7 96.3 96.8 97.1 97.5 97.8 300 43.4 54.9 61.2 66.8 79.0 79.9 84.2 86.8 89.3 95.3 95.7 96.4 96.9 97.6 98.2 99.8 43.9 54.9 61.2 66.8 79.0 79.9 84.2 86.8 89.3 95.3 95.7 96.4 97.0 97.8 98.4100.3 43.9 54.9 61.2 66.8 79.0 79.9 84.2 86.8 89.3 95.3 95.7 96.4 97.0 97.8 98.4100.3

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

834

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

1 -14" RAMSTEIN AB DL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

2139-2308

13.8 13.1 15.8 17.4 20.1 20.1 20.3 20.6 20.6 20.9 20.9 20.9 21.1 21.2 21.6 21.6 21.6 12.0 14.3 17.7 18.7 21.5 21.5 21.6 22.1 22.1 22.4 22.4 22.4 22.7 22.6 23.1 23.1 23.0 12.7 14.3 17.7 18.7 21.5 21.5 21.6 22.1 22.1 22.4 22.4 22.4 22.7 22.6 23.1 23.1 23.0 12.7 14.3 17.7 18.7 21.5 21.5 21.6 22.1 22.1 22.4 22.4 22.4 22.7 22.6 23.1 23.1 12.1 14.3 17.1 18.7 21.5 21.5 21.6 22.1 22.1 22.4 22.4 22.4 22.7 22.8 23.1 23.1 12.1 14.3 17.1 18.7 21.5 21.6 22.1 22.1 22.1 22.4 22.4 22.4 22.7 22.8 23.1 23.1 12.2 14.5 17.3 19.3 22.1 22.1 22.2 22.7 22.7 23.0 23.0 23.0 23.3 23.4 23.7 23.7 13.3 15.8 15.8 20.9 24.2 24.2 24.3 24.8 24.8 25.2 25.2 25.5 25.8 26.1 26.1 26.1 13.7 16.2 19.3 21.3 24.7 24.7 24.8 25.3 25.7 25.7 25.7 26.0 26.3 26.6 26.6 26.6 2.9 20 14.6 17.1 20.4 22.4 25.8 25.8 25.9 26.6 26.6 27.0 27.0 27.0 27.3 27.6 27.9 27.9 27.9 14.7 17.3 20.5 22.5 25.9 25.9 26.3 27.0 27.0 27.3 27.3 27.7 28.3 28.7 28.7 29.8 14.9 17.5 20.7 22.8 26.1 26.1 26.5 27.2 27.2 27.6 27.6 27.6 27.9 28.5 28.9 28.9 21.0 24.1 27.7 3D.0 33.8 33.8 34.2 35.1 35.3 35.7 35.7 35.7 36.1 36.7 37.1 37.1 22.8 26.1 33.0 32.3 36.1 36.3 36.7 37.6 37.9 38.5 38.5 38.5 38.8 39.4 39.8 39.8 3000 29.0 32.5 37.1 39.4 44.1 44.5 45.0 46.2 46.5 47.7 47.8 47.8 48.2 48.8 49.2 49.2 32.6 36.2 41.4 44.6 49.5 49.9 50.4 51.6 51.9 53.1 53.2 53.2 53.6 54.2 54.6 54.6 2 2500 2 2000 36.5 40.9 47.1 50.7 56.5 56.8 57.4 58.9 59.2 60.4 60.6 60.6 60.9 61.5 61.9 61.9 36.5 41.1 47.4 51.1 57.1 57.4 58.0 59.5 59.8 61.2 61.3 61.3 61.6 62.2 62.6 62.6 > 1800 38.8 44.0 51.4 56.0 62.8 63.2 64.1 65.8 66.2 67.6 67.7 67.7 68.1 68.7 69.1 69.1 41.7 47.7 55.5 60.6 68.5 68.8 69.8 71.5 71.8 73.4 73.5 73.5 74.0 74.6 74.6 74.9 74.9 43.4 49.8 57.8 63.8 73.0 73.4 74.7 76.6 77.0 78.9 79.0 79.0 79.5 80.1 80.5 80.5 43.5 50.2 58.4 64.5 74.2 74.6 76.1 78.1 78.7 80.7 80.8 80.8 81.3 81.9 82.3 82.3 43.5 50.4 58.5 65.0 75.8 76.1 78.1 80.2 80.9 83.1 83.2 83.2 83.7 84.3 84.7 84.7 ± 150€ 1.26% 900 2 RUN 43.5 51.2 59.4 65.8 77.3 77.8 80.1 82.4 83.3 85.7 85.9 85.9 86.3 86.9 37.3 87.3 - 200 43.5 51.3 59.5 65.9 77.9 78.8 81.4 83.9 85.3 88.1 88.2 88.5 89.2 89.8 90.2 90.2 43.5 51.3 59.5 65.9 77.9 78.9 81.9 84.5 86.0 90.8 90.9 91.1 91.8 92.4 92.8 92.8 43.5 51.3 59.5 65.9 77.9 78.9 82.4 85.4 86.9 92.1 92.2 92.6 93.3 93.9 94.2 94.2 43.5 51.3 59.5 65.9 77.9 78.9 82.4 85.4 87.5 93.9 94.5 95.2 95.9 97.0 97.4 97.4 .: 500 ∴ 400 43.5 51.3 59.5 65.9 77.9 78.9 82.4 85.4 87.5 94.0 94.7 95.6 96.3 97.4 98.0 98.7 43.5 51.3 59.5 65.9 77.9 78.9 82.4 85.4 87.5 94.0 94.7 95.6 96.3 98.0 98.6 99.5 43.5 51.3 59.5 65.9 77.9 78.9 82.4 85.4 87.5 94.0 94.7 95.7 96.4 98.1 98.7100.0

TOTAL NUMBER OF OBSERVATIONS 8

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1 (143) RAMSTEIN AB DL 73-81 ATON NAME PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

210 ( 26 25 24 23 3... 27 2... 27 2... 27 2 3 3 2 55 6 2... 10.3 12.4 13.4 14.5 16.9 17.0 17.3 17.6 17.8 18.7 18.7 13.7 13.1 18.2 18.5 18.6 11.5 13.9 15.5 16.5 19.3 19.4 19.9 20.2 20.4 20.7 20.7 20.7 20.8 20.9 21.2 21.4 11.5 13.9 15.6 16.5 19.4 19.5 20.0 20.3 20.5 20.8 20.8 20.8 20.9 21.0 21.3 21.4 11.5 13.9 15.6 16.5 19.4 19.5 20.0 20.3 20.5 20.8 20.8 20.8 20.9 21.0 21.3 21.4 11.5 13.9 15.6 16.5 19.4 19.5 20.0 20.3 20.5 20.8 20.8 20.8 20.9 21.0 21.3 21.4 11.6 14.0 15.7 16.6 19.5 19.6 20.1 20.4 20.6 20.9 20.9 20.9 20.9 21.0 21.1 21.4 21.6 2.20000 2 1800 2 1500 ≥ 4000 11.4 14.2 15.9 17.0 19.9 20.0 20.5 20.8 21.0 21.3 21.3 21.3 21.4 21.6 21.9 22.0 12.6 15.2 17.0 18.3 21.6 21.7 22.3 22.6 22.8 23.2 23.2 23.2 23.3 23.5 23.8 23.9 12.8 15.4 17.3 18.5 21.9 22.0 22.5 22.9 23.1 23.4 23.5 23.5 23.6 23.8 24.1 24.2 13.9 16.4 18.4 19.8 23.3 23.4 24.1 24.5 24.7 25.0 25.0 25.1 25.2 25.4 25.7 25.8 2 1000 2 1000C 2 90,00 ≥ 9000 ≥ 7%0 13.9 16.8 18.8 20.2 23.9 24.d 24.8 25.2 25.4 25.7 25.8 25.8 26.0 26.2 26.5 26.6 14.1 17.0 19.0 20.4 24.1 24.3 25.0 25.4 25.6 26.0 26.0 26.0 26.2 26.4 26.7 26.9 2 000 5000 15.3 18.4 23.5 22.1 25.9 26.1 26.8 27.3 27.6 27.9 27.9 28.0 28.1 28.3 28.6 28.8 40.0 20.4 24.1 26.4 28.3 32.7 33.0 30.4 30.7 35.1 35.2 35.2 35.4 35.6 35.9 36.1 35.0 23.2 27.3 27.9 27.9 28.0 28.1 28.3 28.6 28.8 40.0 28.1 28.3 28.6 28.8 32.7 33.0 33.8 34.4 34.7 35.1 35.2 35.2 35.4 35.6 35.9 36.1 35.0 23.2 27.3 27.9 31.8 36.5 36.8 37.6 38.2 38.5 39.0 39.0 39.1 39.2 39.5 39.8 40.0 27.9 32.3 35.3 37.3 42.6 42.9 43.8 44.5 44.9 45.7 45.7 45.8 45.9 46.2 46.5 46.8 30.6 35.7 39.0 41.3 47.2 47.5 48.5 49.2 49.7 50.4 50.5 50.6 50.7 51.0 51.3 51.6 35.9 41.3 45.2 47.8 54.6 55.0 56.3 57.1 57.6 58.5 58.6 58.7 58.8 59.2 59.5 59.7 36.5 42.5 46.4 49.2 56.2 56.6 58.0 58.8 59.3 60.4 60.4 60.5 60.6 61.0 61.3 61.5 3000 2000 1800 43.1 47.4 52.3 55.5 63.7 64.1 65.9 66.9 67.4 68.5 68.6 68.7 68.8 69.2 69.5 69.7 41.6 49.6 54.8 58.6 67.5 67.9 69.9 70.8 71.4 72.7 72.7 72.6 73.0 73.3 73.6 73.9 43.2 51.6 57.0 61.3 71.9 72.4 74.7 75.8 76.4 77.9 78.0 78.0 78.2 78.5 78.8 79.1 43.4 52.0 57.5 62.0 73.4 73.8 76.4 77.5 78.3 79.7 79.8 79.9 83.0 80.4 80.7 80.9 > 1500 1.200 1.000 งกัด 43.4 52.0 57.9 62.0 73.4 73.8 76.4 77.5 78.3 79.7 79.8 79.9 80.0 80.4 80.7 80.9 43.5 52.3 57.9 62.7 74.8 75.3 78.3 79.6 80.5 82.1 82.2 82.3 82.5 82.8 83.1 83.4 43.6 52.7 58.4 63.3 76.9 80.2 81.8 82.8 84.9 84.9 85.1 85.2 85.6 85.9 86.1 43.6 52.8 58.5 63.5 77.1 78.0 81.9 83.7 85.2 87.9 88.0 88.2 88.5 88.8 89.1 89.4 43.7 52.8 58.5 63.5 77.8 78.7 83.1 85.4 87.3 91.0 91.1 91.4 91.7 92.1 92.4 92.7 43.7 52.8 58.5 63.5 78.0 79.0 83.7 86.3 88.5 92.7 92.9 93.2 93.6 94.0 94.3 94.6 43.7 52.8 58.5 63.5 78.0 79.0 83.7 86.5 89.1 94.2 94.6 95.1 95.7 96.2 96.5 96.8 43.7 52.8 58.5 63.5 78.0 79.0 83.7 86.5 89.2 94.6 95.1 95.7 96.5 97.3 97.9 98.6 43.7 52.8 58.5 63.5 78.0 79.0 83.7 86.5 89.2 94.7 95.3 95.9 96.9 98.0 98.9 99.8 43.7 52.8 58.5 63.5 78.0 79.0 83.7 86.5 89.2 94.7 95.3 95.9 96.9 98.0 98.9 99.8 800 200 6(A) 500 300

TOTAL NUMBER OF OBSERVATIONS \_\_

USAF ETAC 1 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH SATETAC ATE WEATHER SERVICE/MAC

RAMSTEIN AB DL

# CEILING VERSUS VISIBILITY

1 147 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE

ALL

FROM HOURLY OBSERVATIONS VISIBILITY STATUTE MILES

	CEILING	21.7	25.7	27.3	28.2	30.8	31.0	31.6	32.1	32.4	33.0	77 1	77 3				
	2000C	25.5	30.2	32.0	33.1	36.0	1 36.2	37.0	77.5	77 0	38.6	22.1	33.2	33.3	35.5	22.8	34 • 2
د	18000	25.7	30.4	32.2	77.7	76.3	72 2	37.00	3743	37.00	36.0	38.7	38.8	38.9	39.2	39.5	39.9
جَ	16000	25.7	30.4	32.3	77.4	74 6	74 4	3/02	3/00	28.1	38.9	38.9	39.0	39.2	39.5	39.8	40.2
•	14000	25.0	20.4	75	77 /	7, 7	30.0	31.3	37,9	38.2	38.9	39.0	39.1	39.3	39.5	39.9	40.3
,	12000	26.2	71 1	77 7	3 33.6	30.0	30.8	37.5	38.1	38.4	39.1	39.2	39.3	39.5	39.6	40.1	40.5
· ·		~ ~ • 4	3494	2007	34°I	3/01		38.1	TH.7	70.0	70 7	70 0	70 0				_
	10000 9000	2/00	72.07	3787	. 30 • 7	37.3	1 37.5	411 . 3.	411.9	41.7	40.N	42 1	# 2 T	4.3	4.3.		
٠		~ ~ • -		2202		9 4 1	40.2	41.7	41.4	41.0	8 2 T	42 0		4			
	8000	2004	2004	20.0	37.7	• • • • •	93.0	44.6	45.7	45.6	4 K . 4	44.5	44.4	114 0	11 7	4. 7	
ئى ئىسىمۇ	7000				7467	7789	7707	40.	40.4	M P - M	87.6	47 7	47 0				
-	6000	21.00	21.0	7 U . L	. 41.5	45.2	45.4	46.3	47.0	47.4	49.2	40 7	40 4	40 (	400		
2	5000		7493	7601	44.2	40.0	46.4	49.4	50.1	50.8	E 1 4:	E 4 E					
	4500	36.9	7 7 9 0	70.0	70 4 4	26.3	J Z . 8	33.8	54 . 6	54.9	55.0	56 - n	56. 2	E.C. D	C / 7		
. 4	4000		7194	3000	92.3	2 / • U	3/45	5 X - 4	50 T	50.7	40 7	40 0	4 4 0				
2	3500	43.1	51.4	54.4	56.2	61.3	61.6	62.8	4.8	64.1	65.2	45 7	01.0	61.2	91.5	61.9	62.4
<	3000	47.2	56.3	59.7	61.8	67.4	67.8	60.1	70.1	70 4	71.8	72 0	00.4	05.6	66.0	66.4	66.8
2	2500	48.9	58.5	62.1	64.3	70.2	70.4	72.0	77 0	77 6	74.8	72.0	72.1	72.3	72.7	73.1	73.6
; ?	2000	51.1	61.3	65.2	67.5	74.0	74.4	75 0	77 0	73.3	78.9	74.9	75.1	75.3	75.7	76.1	76.6
>	1800	51.7	62.1	66.7	68.4	75.0	75 4	77 0	70.1	11.0	78.9	79.1	79.2	79.4	79.8	80.2	80.7
- ) ≥	1500	53.4	64.8	69.1	71.0	70 3	70 7	77.0	10.1	18.6	80.0	80.1	80.3	80.5	80.9	81.3	81.8
>	1200	54.5	66.0	70.5	77.6		93.	01.0	82.1	83.5	84.7	84.9	85.1	85.3	85.7	86.1	86.6
	1000	55.0	44.0	71.5	70 0	01.0	02.1	84.0	85.5	85.9	87.5	87.7	87.8	88.1	88.5	88.9	89.4
j	900	56.9	47 N	71 0	77 0 0	03.0	84.2	86.2	87.6	88.3	90.0	90.2	90.4	90.6	91.0	91.4	91.9
	80V-		0.00		1301	970	07.0	8/.0	88.5	89.2	au a	01.1	01 7	01 6	03 0		
F		7714	0104	1401	7303	04.9	83.5	R7.9	20 L	97.2	99.11	93 7	A 2 F:				
_	700 / 600		0,03	1400	1301	00.3	56 • L	88.5	90.7	91.1	0 7 1	07.7	0 7 6	A 7 7	04 0		
		3043		1602	1301	03.0	66.	AA LE	911.1	91.0		0 - 3	A				
-	500		0.03	1 4 0 4	1301	03 • [	50.3	87.5	91.3	92.3	94.8	95 _ N	05.7	06 4	04 0	-	~~~
	400		0.02	1 4 0 4	7301	0307	80.5	2 Y . S:	91.6	97.7	OK A	0E 4	0.0	01 0	~ -		
		55.3	0,03	1404	13.1	65.6	86.5	89.4	91.7	97.0	OR . D	04.1	04 4	04 6	0 2 2 4	-	
	200 ·		0.03	1202	1301	63.6	50.3	A-0 - E	91.7	97.6	9E 0: (	04 T	A / +:				
	: 00	3303	4.04		1301	4301	50.3	87.4	91.7	97.9	94.0	0 L E	64.7	47 4	0 9 0		= ·=
		55.3	67.3	72.3	75.8	85.8	86.6	89.4	91.7	92.9	96.0	4.40	96.8	07 2	07 0 6	709D;	77.5
									<u></u> -			7004	,,,,,	7102	7107	00/1	00.3

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dev points, and relative bumidity. The order and manner of presentations follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month
  and annual for all years combined. These tabulations provide the cumulative percentage frequency to
  tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and
  total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from bourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Talues for means and standard deviations do not include measurements for incomplete manths.

Continued on Reverse

E - 1

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

CL.SAL CLIMATOLOGY BRANCH US AFETAC

AIR WEATHER SERVICE/MAC RAMSTEIN AB OL STATION NAME 1 140

52-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

**DAILY TEMPERATURES** 

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP	OCT.	NOV	DEC	ANNUAL
≥	, 30							•1.						
: :	45						4	1.6	. 1					• 2
	n .						1.4	4.0	1.4					• 6
	5 €			·	• 2	1.4	4.2	12.0	7.1	1.1				2.2
	<u> ទីជិ</u>		•	•	• 6	5.4	14.4	23.6	19.6	5.0	•	•		5.7
:	75	•		• 2	3.3	15.5	31.8	42.0	38.5	17.4	1.3	•	•	12.5
:	75		•	1.0	9.0	30.0	51.9	62.7	60.6	38.0	4.9		-	21.5
	5.5		4	5.1	19.5	46.2	72.3	84.5	84.2	61.4	15.2	. 4	•1	32.5
	ŧ. <b>"</b>	•	1.5	12.7	36.6	71.3	91.1	97.7	98.2	84.6	35.6	2.4		44.5
	55	. 9	5.5	25.2	57.3	89.6	98.6	100.0	100.0	96.4	61.4	11.0	2.2	54.
: _	50.	5.8	16.2	47.8	76.9	97.3	99.9	*****		99.8	83.4	29.9	9.9	64.
: _	45	18.7	36.0	69.7	92.9	+	100.0	•	•	100.0	95.4	54.4	24.6	74.5
-	··	37.5	57.0	85.6	99.2	100.0			•		99.4		43.9	83.5
	35	65.7	<b>⊢</b>	95.6	100.0	- "		•	•	- •	99.9		70.9	92.
-	30	84.9		99.5	,,	•	•	•	•	•	100.		89.6	97.
	25	94.G		99.9	•		•	•	•	•		100.0	96.6	98.9
	2 -	97.9		100.0	•		•	•	•				99.4	99
-	15 *	99.8	·		•	+		•	•				100.0	100.0
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	MEAN	37.2		49.0	56.6	64.8	70.4	73.4	72.5	67.1	56.7	45.5	38.8	56.1
	S. D	7.794	8.683	8.759	8.966	8.706	8.288		7.588	7.443	7.612		7.838	15.271
	TOTAL OBS	899	819	928	899	930	900	895	903	900	930	900	930	1093

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SECTION AL CLIMATOLOGY BRANCH SEPTETAC ATT REATHER SERVICE/MAC

STATION

RAMSTEIN AB DE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

**DAILY TEMPERATURES** 

TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT.	NOV	DEC	ANNUAL
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€.					6.	3.8.	10.4	7 • 3.	1.1.	• 3.			. 2•
55					4.0	24.1	36.3	32.1	12.1	2 - 3			9.
51		• 1,	1.2	3.1	18.9	52.2	73.5	66.9	36.9	11.4	2.0	• 4	22.
45	1.1	2.1	4 . 8	12.1	43.2	77.3	91.6	86.4	61.7	29 . 8	8.0	3.1	35.
4 ~	7.3	9.2	16.2	30.8	66.9	94.3	98.6	97.2	82.8	49.4	24.1	11.6	49.
35	24.1	24.4	37.6	56.2	88.9	99.1	103.0	99.9	95.0	75.5	49.6	30.1	65.
3 <b>3</b>	33.3	34 . 4	46.9	65.7	93.4	99.7		100.0	98.0	82.0	63.0	40.5	71.
30	48.8	50.4	62.3	81.8	78.2	100.3	•	•	99.9	90.5	76.3	56.2	83.0
25	68.3	69.5	82.4	96.4	99.9	•	•		100.0	98.4	91.9	73.7	90.
5 .	79.0	81.9	92.2	99.9	100.0		•			99.9	97.6	84.0	
15	87.7	- · · · · ·		100.0	T T T T T T T T T T T T T T T T T T T	•	*		•	100.0	99.8	-	
13	93.2	93.2	99.0	=	•	•	•	•	+	77723;	100.0		98.
5	97.1	· ·- · · · ·	99.8	•		•	•	•	•	- •	•••••	99.2	
	99.2		100.0	•	•	•	•	•	. •	· · · · · ·	+	100.0	
	99.8			•	- •	•	•		•	· · · ·	•	1,0010	99.
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MEAN	27.3		31.6	36 • D	43.0	49.4	52.4	51.4	46.3	39.9	34.5	29.5	<u> 39.</u>
\$. D		10.204											
TOTAL OBS.	899	819	928	899	930	900	895	973	900	933	900	930	1083

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**DAILY TEMPERATURES** 

SECHAL CLIMATOLOGY BRANCH AT- ALATHER SERVICE/MAC

STATE IN AS UL STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MEAN

_	TEMP (*F)	JAN	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	JAUNUAL
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	15. f.				• 1,	5 • 7	23.2	3.7 • 3.	31.1	10.0	4			9
	٠			• 3	2.9	20.8	5 <u>2.6</u>	73.9	69.1	33.7	4 6			21.2
:	5.5		• 2,	1.9	10.7	46.3	82.1	95.4	93.7	65.1	19.0	1.9	. 3 _	34 • 6
:		• 5,	2.0	9.5	33.8	75.7	96.9	100.2	99.7	90.7	44.6	<u>8 • 3</u>	1.7	47.2
:	45	5.8	11.1	32.7	59.8	94.1	99.9		100.0	98.7	72.	26.8	9.8	59.5
	<b>"</b>	20.5	28.0	58.2	84.9	99.2	100.0			100.0	92.3	53.0	28.6	72.4
	35	44.4	56.0	80.9	98.2	100.0					99.5	30.6	51.7	84.4
	3.7	69.1	76.1	92.2	100.0						100.0	94.6	74.8	92.3
	25	82.9	89.1	98.2			•					99.4	87.6	96.5
:		72.2	93.5	99.6		- •	-	•				99.9	95.9	93.5
:	15	96.6	96.7	100.0	•		•					100.0	98.9	99.4
	- <del>-</del>	99.1	99.1		•	•	•	•	•		•		99.9	99.
	5	99.9	99.8	+	•		•	• •	,		• • • •		100.0	100.0
	·		100.0	•		•		• • •			•			100.0
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	4		<b>.</b>						·		<b></b>			
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	MEAN	32.5	34.6	40.6	46.5	54.2	60.1	63.2	62.2			4:1.2	34.4	47.8
	S. D.	8.460	8.722	7.262	6.437		5.926				6.335			12.372
	TOTAL OBS	899	819	928	899	933	900	895	963	900	930	900	930	10833

USAFETAC FORM 0-21-5 (OL 1) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

IN PAL CLIMATOLOGY RRANCH COSFETAC ALF REATHER SERVICEZMAC

#### **EXTREME VALUES**

STUTABLEM TO MERKAR

(FROM DAILY OBSERVATIONS)

1 1/147 FAMSTEIN AB DL STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	A - 3.	SEP.	OCT.	NOV	DEC.	ALL MONTHS
6.7			* 62	78	79.	94	100	94	71	63	52	e 7.	
5.3	44	5 <b>5</b> ,	7.5	7 5	8 9	9.3	86	91	8.8	74	66	56.	
54	5.2	49	6.4	46	3.2	89	81	38	87	69	61	5.1	3.9
- 5	- <u>52</u> 51	50	73	8 <b>2</b> ;	81	8.5	90	8.3	79	67	6.5	۲.3	2.5
······································		41	66	69	87	7 7	90	36	77	77	51	5.6	Ş
5.7	51	<b>51</b> ;	6.6	72	7 3	93	98	8.5	8.01	71	51	5.1	
59	5.2	64	64	67	8 7	8.3	€ 5	88	84	66	54	5,2	3 8
F. G	5.5	6 <b>1</b> ;	69	79	7€	84	95	86	86.	74	5.8	5.4	, ç <u>ç</u>
•5	55	67	64	72	2.3	87	79	84	74	70	59	5 3	87
<u>~1</u>	511	6.5	71	77	76	86		87		721	54	58	
6.2	52	48	55	79	76	8.2		91	87.		59	5 u T	9 1
53 <u>;</u>	4	42	57	5.8	77	79	86	86	78	66	55	4.5	
64	42	57	56	74	8.3	91	95	89	84	7.7	5€	53	0 -
5.5	4 9	4 1	6 5	67	81	86	84	22	77		59	55 <u>#</u>	9.5
56	55	59	× 56	59	81	87		01		7 7	55	£ 2	93
67	55	57	6.3	71	85	90		કક	81	75	60	5.3 }	>2
5E	50	50	76	* 85	79	8.5	92	79	76	72	68	47	7.2
65	4 7	50	56	2 ت	8.8	8 1	* 83	± 68	79	7	6.2	4.7	3.9
7.	47	49	56	76	74	86	85	88	76	7 ?	61	5.2	3.9
71	51	48	5.5	77	8 2	75	89	93	8.2	75	5.7	45	9.3
77	55	57	69	73	78	8.4	89	84	75	67	66	53	3 3
73	45	50	71	56	8.7	84	87	87	97	69	57	43	<u>, 1</u>
74	5.3	55	73	75	8.7	82	86	96	80	- 1	63	22	9.6
75	55	55	5.7	75	7.8	8 6	89	91	8.2	6.2	59	હતુ	c j
76	5 1	59	64	75	87	98	98	97	77	71	5.5	46	O F
77	51	53(	6.8	69	78	91	87	84	8 7	75	64	5.5	91
73	43	59	64	68	77	84	89	84	7 ŝ	78	53	۲.5	6 3
79	39	53	5.3	6.8	87	86	87	84	8.1	77	54	57	5.7
8.	48	54	61	70	72	81	6.5	83	79	64	59	43	ξG
21	46	48	66	72	8 2	8 2	24	86	81	68	59	48	<u> </u>
MEAN	49.6	53.6	64.0	72.4	80.5	85.4	88.6	87.2	90.5	70.4	500€	52.7	or, u
S. D.	4.499	5.837	6.389	4.354	4.175	4.937	5.138	3.757	4.297	5.785	4.219	4.591	3.639
TOTAL OBS.	899	319	928	899	930	900	895	903	900	930	920	03	10533
		NOTES	* 107	SED ON	LESS.	THAN F	ULL MO	NTEST					

# EAT LEAST ONE DAY LESS THAN 24 OBS!

7

E CAL CLIMATOLOGY RPANCH TITETAC ATT ACATHER SERVICE/MAC

## **EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1 4147 ZAMSTEIN AB CL STATION NAME

52-51

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH!	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV	DEC	ALL MONTHS
5.2		<del></del>	23	24	29	3.5	38	4.3	31	25	20	1-1	
53	1.2	-1;	20	? 8;	26	3.4	42	4 س	32	25	24.	22	
= 4	i i	1	24	23	3 !	4 Č	4.0	43	35	3.2	19	24	_
5 <b>5</b>	13	3,	12	23	30,	3 7	43	4 3	32	21	17	1.7	
5 5	1	-9	14	22	79.	37	47	38	37	31	12	14	-
5.7	5:	2. <b>2</b> ;	19	27	28	37	46	8.5	32.	27	25	10	
5.5	0	15	7	19	33	39	42	41	30.	3.3	29	13	
59 j	9	1.3	2.3	23	3.3	3 7	4.61	37	31,	24	27	2.1	
· · · · · · · · · · · · · · · · · · ·	- 7	9	25	25	24	43	37	44	30	29	26	16	
61	11	23	22	37;	33	4.3	30	4.3	38	. 25	16	7	
5.	1:1	11	15	28	27	31≭	39	39	33	24	24	- · · · — - · · · - वि	
53	<b>-</b> 5	-8	4	24	2.5	4.2	45	36	32,	26	27	4	-
- 54	3	12	14	27	36	39.	41	36	33	24	25	12	
65	19	7	5	26	29	41	45	39	33	21	15	231	
66#		23	18	26	31	38	44	38	32.	24	17	20	
67	,	11:	2.2	21	26	37	43	4 1	39	28	23	14	
60	-3	20	21#		30	3 9	44	42	39	30	28	5	<u>-</u>
69	15	5	19	24	3 3	394	42		34	3.2	19.	6	
7	19		12	24	32	35	39	46	32	24	23		
71	<b>-</b> 2	15	3	24	37	39	39	4 2	30	24	15	21	-
72	6	6	17	25	33	35	42	42	28	17	23	S	
7.3	8	17	19	24	30	37	40	39	33	23	15		
74	24	19	23	26	35	37	39	42	33	2.3	24	23	<u>-</u>
75	?1	19	19	2 3	30	3.5	42	46	44	28	17		
76		17	10	23	30	37	44	42	35	24	21	- <del> </del>	
77	21	15	17	23	32	39	39	44	35	33	17	15	1
73	21	3	24	23	37	37	42	37	35	31	23	1.	<del>-</del>
79	- 7	17	21	26	28	42	37	37	34	27	21	27	
30	9	21	21	28	30	41	41	34	39	30	21	9	
81	12	12	27	23	28	4 1	45	39	37	30	18	7	
MEAN	8.4	11.3	17.1	24.8	30.6	37.9	41.9	40.1	34.2	26.5	23.9	12.3	4.
S. D.	5.761	8.631	6.630	3.174	3.213	2.778	2.889	2.853	3.431	3.767	4.790	7.273	6.48
TOTAL OBS.	699	819	928	899	930	900	895	963	920	930	970	930	1093

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 085)

LEGAL CLIMATOLOGY PRANCH PRAFETAC AT AFATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 -1 - AMSTEIN AS DL 73-51

STATION STATION NAME YEARS

PAGE 1 7000-0200

HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) •1 •1 7 2 3 • 2 2 7 47 1.7 • 1 17 17 .6| 2.2 4 / 45 29 29 . 6 4/ 43 37 37 5 1.6 2.2 • 7 26 3.2 4.4 2.6 3.0 \_\_\_2 27 41 45 8 66 60 53 **(** ) 53 48 ' / 3' .1 3.8 3.8 36 / 35 60 97 7 .8 7.9 2.8 97 96 72 3.3 128 1.2 7.5 2.8 96 . / 31 s 7 98 1.4 6.2 • 5 69 69 1 2 ---1 2 ٥7 .8 8.5 8.2 32 • 5 1.1 5.4 75 53 59 1 25 39 39 46 71 1.3 19 19 30 62 .4 .7 44 14 2 **ò** 26 23 1 7 / 17 • 6 1 • 7 19 13 13 18 1 13 / 15 • 2 6 īĊ 13 •1 1•1 •1 1•3 10 1<u>6</u> 13 Q C 5 7 R 35 835 11.550.825.0 3.0 .7 No. Obs. Mean No. of Hours with Temperature Element (X) 81.4 9.165 <del>559736</del> 835 \* 73 F | \* 80 F 1 32 F ≥ 67 F 974382 27614 33.1 8.564 835 39.8 Dry Bulb 863369 26039 31.2 7.847 835 43.7 93 Wet Bulb 66.6 93 Dew Paint 702644 23236 27.8 8.197 835

TAC NORM 0.26-5 (OLA) REVISO REVIOUS E

OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AL KEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 +	PAMSTEIN AB	STATION NAME			73-01		YE	ARS				J A	
										PAGE	1	B3CD-	950
Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4 5	-6 7-8 9-1	0 11 - 12	13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 - 31	D.B. W.B.	Dry Bulb	Wet Bulb !	Dew P
-/ =1	• ?				1		·			?	?		
5. / 47	• i • 2				<del></del>	· <del>-</del> -					3	2	
- / 47	•5 1•3	• 1			i					15	16	3	
/ 45	1.0 2.5	•2 •2				<b></b>				33	33	12.	
4/ 47	.1 1.4 1.6	• 1								27	27	33	
2/41	.1 2.7 5.1	• 5							•	71	71	23	
/ :	.4 4.9 3.1	• 2								72	72	47	
37	.2 2.0 3.6	• 2				<u>.</u>				$-\frac{51}{97}$	$-\frac{51}{3}$	77	
/ 35	.4 6.9 3.3	•1									93	53	
3 / 33	1.3 6.9 3.8					<u> </u>				111	131	125	_ (
_/ 31	.5 5.7 .9									53	5.3	178	
1 2	1.C 8.8 .2									. 54.	72	- 84 32	11
/ 27	2.0 6.3 .2									_	_		12
$\frac{1}{1}\frac{25}{23}$	.6 4.3 .1	<del></del>								. 42	42 22	43	
2/ 21	.7 1.9 .6 .4 .2										10	36 16	
/ 1	.6 .4 .2 .3 1.0	~		· · · · · · · · · · · · · · · · · · ·						$-\frac{10}{15}$	15.	15.	-2
/ 17	.2 2.1									19	19	25	1
1 / 1	1 1.2								• • • -	$-\frac{19}{11}$	$-\frac{17}{11}$	13.	5
1 1 1 3	1.2									10	10	12	
$\frac{1}{11}$	-5 .7				++					<del>13</del> -	10		
/ :	1.1.1				i					13	18	16	
7 7				·	+	<b></b>				→ · · <del>-</del> 3-		- <del></del>	
· / :	• 2				1.0					. 2	2	3	
<del>-/-3</del>				<del></del>	+				<del></del>				
1	•				1								
/-	<del></del>	··		<del></del>	<del></del>	·				<del></del>			
TAL	17.561.226.3.1	.4 .4		i							937		3
				·	+	-				837		837	
1				-	į		•						
			+	<del></del>	+	+	+	+	<del></del>	+			
i					1			1	4				
		- +	-		+	+				+			
	<del></del>		أسحيت		<u>_ii</u>	<u>, i </u>		1		<del>                                     </del>			
lement (X)	2x' 5608316	58100	81.4	8.990	No. Obs. 837		T			M Temperati			
lel. Hum.	548174	27210	32.5		837	: 0 F	± 32 F 4 I • Z	≥ 67 F	≥ 73 F	≥ 80 F	+ 93 F	<u> </u>	otal
ry Bulb	342135	25673		8.087	837		51.7		<del> </del> -	<del></del>	+		
Vet Bulb	685125	22847		8.576	837		.11		<del> </del>	<del></del>	+		<del></del> ;
ew Point	000172	24041	21.3	0 + 3 / 0	03/	- :7	1 0001			1	i	1	

USAFETAC FOUR 0.26-5 (OL.A) REVISED REFINOUS EDITIONS OF THIS FOUR ARE PISSORER

GLI-AL CLIMATOLOGY BRANCH USEFETAC AI -EATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 14. PAMSTEIN AB DL STATION NAME PASS 1

Temp.					JRE DEPRESSI						TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 : 7 - 8 9 - 1	0 11 - 12	13 - 14 15 -	16 17 - 18 19	- 20 21 - :	22 23 - 2	4 25 - 26	27 - 28 29 -	30 2 31	D.B./W.B. D	ry Bulb V	let Bulb C	ew Po
. 1	• 1					Ţ	;			7	1	1		
5 / 40	1 • 21						1				<u>2.</u>	2		
/ 47	•5 1.4	•1 •2			1		•			,	19	19	3	
- / 45	1.0 1.2	• 5			_ 1 1						27	27	1.4	
4/ 43	.2 1.2 2.2	•2 •2									34	34	29	Ą
1/41	2.7 4.8	• 8									. 70.	7.3.	_ 26.	. 27
4 / 15	.4 4.8. 3.7										74	74	42	26
3 / 37	.6 2.9 2.3	• 1								_	4.9	49	78.	28
/ 35	.5 6.6 3.7	• 1									0.1	91	7.3	6:
3 / 3	1.7 6.1 4.2							:	i		100	100	175	7 5
1/31	.2 4.7 1.3										5.2	52	1-9	6
1 24	.6, 8.7 .2						i	1			8.0	50	98	9
/ 27	3.1 5.7 .2			-							76	76	77	139
7 25.	.8 3.3										35	35	₹4	<u>.</u>
1 2	•5 3•3										29	29	34	6
2/ 21	•5 •7										13	10	21.	- 20
/ 1	1.1 1.1	· · · · · · · · · · · · · · · · · · ·			+						13	18	15	26
/ 17	.1 1.1	•		1							10	10	19	1
1 / 15	.1 2.0										16	18	13	
/ 13	• 5									-	4	4	9	10
1 / 11	.5 .5		-+	· +							9	9	7	1
0/ 5	1.1 .6	:		:							14	14	14	18
7 -	• 6			-							5	5	3	
1 .	.7		:								6	6	ن 1	•
/ 3	• 2 • 1	1		!				1		<del></del>	3	3	2	
/ 1	• 1	1 1		, .		1	i			•	1	1	2	•
/ -1	7			<del></del>							<del></del>			
- / -3	1				1 1			(						
- / -5		<del></del>	<del></del>								+			
TIL	13.159.125.3	1.9 .5	1					1				837		93
			1								837		837	
j	i : .								-	i	1		-	
				<del></del>	_+_+		<del> </del>				<del></del>			
1	!		1	, 		1	ĺ	1	ŀ	1				
Element (X)	ZX'	ZX	X	7,	No. Obs.				Mean No. o	f Hours wi	th Temperatu	•		
Rel. Hum.	5610189	68083	81.3	9.293	8 3 7		0 F	≤ 32 F	€ 67 F	* 73 F	> 80 F	. 93 F	T	otal
Dry Bulb	945116	27100	32.4					41.1			1			9
Wet Bulb	839365	25575		8.323	837			51.9			+			9:
Dew Point	681299	22725	27.2				1.3	67.9			<del>                                     </del>	<del>!</del>	<del></del>	9

USAFETAC FORM 0.26-5 (OLA)

GLIBAL CLIMATOLOGY BRANCH USAFETAC ALE AEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

16 140 48 STEIN AB DL 73-81 JAN
STATION STATION NAME YEARS PAGE 1 9900+1100

																	HOURS	3.
Temp.								EMPERATU					· · · · · · ·		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10 1		13 - 14 15 -	16 17 - 18	19 - 20	21 - 22 2	3 - 24 25 -	26 27 - 28 2	9 - 30 2 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew
47 53	!				i		• 1	i	١ ١	ļ	1			į	1,	1		
2/ 51	<b></b>	· 	4						<u> </u>		· ·		· · · ·		3	3		
5 / 4:			. 7	• 1	,	• 1			ì				•	,	8	3		
- / 47		. 4	1.6		• 2										18	18	6	•
4 / 45			2.4	. 4	• 4										39	39		
4/ 43			2.3	. 6	• 2:										42	42		•
27 41			5.1	1.2			İ					•		,	78	78	= 4	
-1/ 3%	• 1	5.1	2.7			-4-									67	67		
3 / 3	. 4	4 • 1	2.6	•											59	59	9.3	
/ 35	1.	6.1	4.5												97	97	93	
3 / 33	1.6	6.6	3.7	• 1							-	•			100	1 ) J	68	_
2/ 3i	.7	4 . 3	1.4				,	,							54	54	119	
1:1 20	• 6	7.3	• 5	•									_+		70	75	F.1	-
° / 27	2 • ч	5.5	. 7		1										72	7.2	<b>59</b>	1
7 25	• 2	2.7	• 1												26	26	40	
2 / 23	• 2	1.9	• 1												19	19	2.2	
2/ 21	1.0	1.2	• 2												20	20	23	• -
./ 12	-8	.7	;					i					1		13	13	18	
/ 17	. 4	1.2											<del></del>		13	13	19	•
1 / 15		1.2													1 G	15	9	
. / 13	• 1	• 6	<del></del>								+		+		6	6	9	• • •
1 / 11	• 5	. 4						,							7	7	7	
/ 9	. 4	• 2							1		•				5	5	4	•
1 7		. 2	i ,								- 1				2	2	1	
/ 5	•1	• 5	-	1							+		<del></del>		5	5	4	
7 3	• 2	i	!		1						1		:		. 2	2	5	
/ 1	• 1										1		-		1	1	1	•
/ -i	!			1	:			1	1 7				:					
- / -5			•			•					-							•
TAL	11.1	56.3	29.2	2.4	. 8	• 1,	• 1		1		1 1					p 3 7		. 8
		1	<del>,</del>						1						837		8 ? 7	•
		i	:		1	i					L l		_L 1	i	_1			
			1															
Element (X)		Zx'	-		Z x	<del> </del>	<b>T</b>	•	No. Ob				Man Ma	of House ==	ith Temperat			
Rel. Hum.			8831		5742		3.6			37	± 0 F	s 32 F	-,		* 80 F	• 93 1		Total
Dry Bulb			9247		7815		3.6			37	207	36.		* /3 *	7 50 7	* 73	<u> </u>	. 919
Wet Bulb			12 1		2649	- 1	1.7	7.916		37		47.		+	<del></del>	+	-+-	
Dew Point			0514		2354	. 1	1	8.362		37	1.			<del></del>	<del></del>	+		
PAM LOINI			2017			- 6		0.002										

SERAL CLIMATOLOGY BRANCH TAC A. LEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 . 1 4 7 AMSTEIN AB DL JAN

TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 21 - D.B. W.B. Dry Bulb Wet Bulb Dew Point 5 / 15 4/ 53 15 .1 1.3 15 -· = 5 1 47 .7 1.3 • 8 26 26 1.4 3.1 2.2 ?5... / 45 41. 41 39 15 4/ 43 60 60 92 2/ 41 .2 3.5 4.9 2.4 53\_ .4 4.4 5.7 . 8 • 1 93 97 59 95 .6 4.7 5.7 75 88 . 4 / 35 6.6 5.4 101 101 176 77. 77 135 .6 4.3 3.9 3 / 33 2/ 31 .4 2.7 2.9 51 51 75 93 140 5<u>5</u>. .1 4.7 1.8 5.5 56 1 27 48 .4 4.4 I.T 43 56 / 25 .2 1.7 16 16 31 77 1.7 .5 .2 .2 .1 2 / 23 17 57 16 18 2/ 21 18 .2 1.1 11 11 25 1 19 6 1 1 1 1 1 2 . 6 • 1 / 13 1 / 11 A 3.7 3.544.841.1 8.6 1.4 No. Obs. Mean No. of Hours with Temperature 76.710.500 837 = 67 F = 73 F = 80 F 5311433 64167 : 32 F Rel. Hum. 36.6 7.425 34.0 6.720 29.7 7.395 Dry Bulb 1168016 30644 837 24.1 1003010 28424 837 34.7 Wet Bulb 24885 59.4

₹ ಠ 0.26.5

SAFETAC AT- AFATHER SERVICE/MAC

JECHAL CLIMATOLOGY BRANCH

# **PSYCHROMETRIC SUMMARY**

STATION	HAMST	EIN A		TATION N	AMF		73-	ò1			YEARS					A ل Mon	
314704			•											PAG	E 1	1570-	- :
Temp.					WET BULB 1									TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10   11 - 12	13 - 14 15 -	16 17 - 10	19 - 2	0 21 - 22 2	23 - 24	25 - 26 27	- 28 29 -	30   + 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
5 / 55				:	•1, •1		!	1		,	1	:		2	2		
4/ 53		5	• 2	. 4	1			i						10	13		_
7/ 51	•	1 .8	• 5		• 1		T .							13	1.3		
<u> </u>	- 1	_ • 5	_ • 5	_ • 2			i	:						10	10	5	
1 47	•	7. 1. :	1.7	• 2				İ						2.4	24	12	
4 / 45	2.	3.5	1.7	1										56	56	2.2	12
4/ 43	1.	1 2.7	2.0	. 4				1						5.2	52	48	6
2/ 41	3.	2 4.5	2.6	• 1										5.8	8.6	5.3	3 :
4 / 39	5.	6 5.1	1.3	• 1				7						132	1 32	61	4.6
7 / 37	1. 4.	7 4.9	• 5		:									05	92	91	49
/ 35	6.	8 6.2	*					+		•				109	139	103	76
3 / 33	.4 5	3, 5.1	. 7		) : 1									94	94	146	71
2/ 3:	2.	2 2.3	• 1		i		,	<del></del>						38	3.9	G 4	64
1 2.	4.	9. 1.6			i									5.3	53	72	100
1 / 21	.5 3.	1.3	•		!	<del></del>								41	41	53	140
/ 25	1.	2 .2												12	12	<b>~</b> 9	7 ≥
2 / 23	1.	3 .4			+	·		•		+				14	14	13	5.5

2/ 23 1.3 23 23 13 17 / 17 . 8 . 6 1 / 17 / 13 • 4 . 1 ò 8 57 937 837 837 2.044.743.910.4 1.6 • 1] 75.612.559 37.7.092 34.2 6.447 29.7 7.225 Element (X) Mr. Obs. Mean No. of Hours with Temperature 4 - 8 3 1 3 4 63318 ± 32 F 20 • 6 33 • 6 Rel. Hum. 837 10F ≥ 67 F = 73 F = 80 F

837

837

37936

29613

24885

1185438

1312678

783535

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0.26-5 (OL A)

USAFETAC

Dry Bulb

Wet Bulb

Dew Point

USAFETAC NOW 0.26-5 (OLA)

SE SAL CLIMATOLOGY BRANCH SAFETAC AT REATHER SERVICE/MAG

## **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AB DL STATION HAME JAN MONTH 1850-2950 HOURS (L. S. T.)

Temp.					E DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4	5-6 7-8 9-1	10 11 - 12	13 - 14 15 - 1	6 17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb !	Dew Po
4/5	•1	• 2				7				3	3		
27 51	.4 .1				1	1.				4	4_	_	
5 / 4 1	•5 •5	• 1								9	9	É	
. / 47	.1 1.6	• 1					L			. 15	15	5.	
4 / 45	.8 2.9	1.3.4								45	45	18	
4/ 43	1.1 2.6	• 2, • 1,								34	34	1.6	
1 41	3.3.3.7	1.8 .4								77	77	56	4
4/2	.2 4.7 4.5	•1								80	_ 80.	45	3
3 / 37	.8 4.5 4.3								- ,	5.1	ŝì	75	5
/_35	.4 6.7 3.8									91	91	93	5
3 / 33	1.0 6.0 4.1									9.2	92	127	7
1/ 31	.5 4.5 1.7									5.6	56	98	٥
1 2	.1 9.3 .5				7					8.3	83	85	10
<u> </u>	1.6 7.2 .5		+			<del></del>				77	77	90	13
/ 25	·1 2·J ·2				<del></del>					27	23	3.2	5
2 / 2:	.1 1.9 .5									. 21	21	18	7
2/ 21	.7 .8			,	7					13	1.3	2.5	2
	.7 .5					<u></u>				10	10	16	2
1 / 17	• 2					i				2	2	6	1
1 / 15	1 .7				<u> </u>	·		·		. 7	7	5_	1
' / 13	1.1	!			' i	i				9	9	11	1
1 / 11	•1, •2	·			<del></del>	<del></del>	<del></del>					2	
	•1 •2	1 ,		1	1 1		:			3	3	4	1
/ 7	• 1					<del></del>				, 1	1		
/		i i		1	1 1		[ i			1		1	
				·	+	<del> </del>		+		+			<del>-</del>
/ 1	1 _ 1	ļ j		1	1		•		,				
Ti	.657.131.6	3.9 .8			<b></b>	+			_ +	<del> </del>	° 36		8.3
- 1		1 1	1 1	ĺ	1	!	1		i	836		836	
					<del> </del>			<del></del>		<del></del>			
	i i								1				
+	<del></del>	<del></del>			<del></del>	+			-+	<del> </del>			
į	- I		:	į				!	1				
Element (X)	Z <sub>X</sub> ,	ZX	X		No. Obs.	1	<del></del>	Mean No. a	f Hours vi	th Temperat	ur#		
Rel. Hum.	5365125	56513		9.368	836	± 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	≥ 93 F	T	otal
Dry Bulb	1049326	28936		7.565	836	<del> </del>	33.9				1	-+	9
Wet Bulb	920416	27132		6.909	836	<del> </del>	43.7			<u> </u>	+	+	<del></del> 9
Dew Paint	736787	24043	28.8			4					<b>.</b>		<del></del> 9

HAMSTEIN AB DL STATION HAME

GLIBAL CLIMATOLOGY BRANCH UNIFETAC AIN WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

PAGE 1

																		.,		HOURS (L	
Temp.										DEPRE								TOTAL	<u></u>	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	5 - 26	27 - 28	29 - 30	<b>a</b> 31	D.B./W.B.		Wet Buib	Dew Po
4/ 53			• 7						į	! !		1		1	,			5	2		
./ 51		• 5								1		<u> </u>						4	4	<u> </u>	
· / 4			.6		•?					1								7	7	5	
· / 47			1.0					i	<u> </u>	<u> </u>								14	14	2	
0 / 45		• 9	2.6	. 8	, ,		,			1					i			36	36	9	
4/ 43		. 4	3.1	_ • 5	• 1									·				34	34	24	
27 41			5.3	• 5	• 1		i			i			1	i		,		3.0	80	42	1 (
41 / 37			3.8				4											67	<u> </u>	57	3:
7 / 37	. 7	3.7	3.0	• 1			r						,					63	63	74	4
/ / 35			2.9							<u> </u>	_			i				36		73	64
3 / 33	! • 1	7.8	2.3															93		166	8
7/ 31			3.0											!		:		5.3		101	61
1 : .		9.6	. 4															56	86	91	9
3 / 27	2.3	6.9										1 1				1		77		89	121
1 25		3.																34	34	41	3.8
2 / 23		2 . 3	• 5		i					1				;				26		25	7:
27 21	1.1	1.2						•	,									19	19	28	4
/ 1	. 7	1.			•				ł					!				14	14	19	1
/ 17	. 4	• 7										1						. 9	9	16	2 1
1 / 15	. 4	• 1		i	:				ĺ	1		1	:			Į		. 4	4	4	2.0
/ 13	• 2.	1.0						!	1			1						1.7	ĹĴ	11	2:
1 / 11	• 4 í	• 7			· ;		i	1	i	1 1		: :				i		. 9	9	8	
1 5	• 1	• 8			1		1	T										8	8	7	1
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Element (X)		x'			ZX		X	•,		No. Ob	s.				Mean N	o. of He	ours wi	th Tempera	tyre		
Rel. Hum.		51	1044		675	-	82.6	I .	-	8.	37	10F	± 3	2 F	<b>≈ 67</b>	F	73 F	> 80 F	▶ 93	F 1	Petal
Dry Bulb		39	1547		280.		33.5		08	3	37		3	9.7	-						- 5
Wet Bulb		57	6323		263		31.5	7.4	66	8	37		4	9.3				1	1		9
Dew Point		7.7	7116		234		28.7	7.7	60	8	37	•	1 6	5.7				1			9
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USAFETAC NOW 0.26-5 (OL A)

GLUBAL CLIMATOLOGY BRANCH
UNSEFETAC
ATHER SERVICE/MAC

1 148 -- AMSTEIN AB DL
STATION NAME
STATION NAME

## **PSYCHROMETRIC SUMMARY**

Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)			r	1	T	TOTAL	0 0 11	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12		15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.		Wet Bulb	Dew
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4 / 45	•	1.2		. 6			·	<del></del> -	<u> </u>	<u> </u>				<u> </u>	<del></del>	<del></del>	+	306	306	133	
4/ 43	• 1	1.3		. 9	• 2		i	<u> </u>		;								320	320	239	
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/ 35	-	6.8		. 1			ĺ	:						ŧ	:			762	762	654	٩
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Element (X)		Σχ'			2 g		X	-,		No. Ot	<u>.                                     </u>				Mean	No. of H	ours wid	h Temperat	ure		
Rel. Hum.			5402		53304		79.6			66		± 0 1		± 32 F	2 67	F .	73 F	= 80 F	≥ 93 f		Total
Dry Bulb			4239	1	22862			8.3	1	66				275.8							
Wet Bulb		724	8497		21430		32.0	7.6	02	66	93			361.1	T						
Dew Point		560	2665		18960	)9	28.3	8.0	27	66	93	?	. 9	516.6	T						7

GL.	BAL	CLIMATOLOGY	BRANCH

USAFETAC AL AEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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STATION				57	ATION NA	ME								YE	ARS			PAGE	•	-1000 -1000	
																			_ <b>.</b>	HOURS (L	
Temp.			,			WET	BULB	TEMPERA	TURE	DEPRES	SION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4			9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 1	9 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb :	Dew F
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Element (X)		Zx'			z x		¥			No. Obs	. 1	LI			Heen Me	of He	MPR WIS	h Temperati		·	
Rel. Hum.			3149		619	31		9.55	6	76		: 0 6		32 F	£ 67 (		73 F	≥ 80 F	→ 93	FIT	Petal
Dry Bulb			7873		251	1	_	7.22	. 1	76	- I			77.1		+-		<del>                                     </del>	†		
Wet Bulb			6276		237	1		6.87		76				19.6				<del>†</del>	<del>                                     </del>		
Dew Paint			2569		211		77 7	7.84	-	76	-			59.2				<del>1</del>	+	-+-	

SELEAL CLIMATOLOGY BRANCH U-SERTAC AT MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 1- RAMSTEIN AB DL STATION NAME FEB YEARS 0330-0500 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 7 51 - / 47 • 3 9 2.6 2.2 / 45 4/ 43 2.6 .8 26 26 22 13 .4 4.3 1.2 45 45 44 26 2/ 41 401 74 39 .3 5.0 .4 43 43 31 1 37 .8 3.9 2.4 55 50 48 **5**C / 35 .4 4.7 3.8 39 68 69 33 1.0 5.1 3.0 73 79 66 2/ 31 109 .1 5.9 2.1 63 63 5.9 1.6 59 69 64 2 / 27 3.2 9.2 3.1 111 70 87 111 / 25 .3 3.4 .9 35 79 66 ~ / 23 49 42 .5 5.9 49 75 1.7 2.2 2/ 2! / 1 ) 2.1 1.4 28 28 33 57 .8 .7 1 / 15 . 4 / 13 11 11 762, 762 11.065.022.6 1.4 ZX, No. Obs. Mean No. of Hours with Temperature Element (X) Zz Ŧ •, 62112 81.5 9.327 762 - 93 F Rel. Hum. 5129368 10 F ≤ 32 F 24511 32.2 7.824 762 43.9 64 Dry Bulb 635721 23189 30.4 7.416 762 53.2 84 Wet Bulb 747533 27.0 8.250 607891 20585 61.4 84

73-81

0-26-5 (OL A)

0 Z USAFETAC

GLEMAL CLIMATOLOGY BRANCH CLAFETAC AL- \*EATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

																				HOURS I	
Temp.		,				WET	BULB .	TEMPE	RATUR	EDEPR	ESSION (	F)		<del>, ,</del>				TOTAL		TOTAL	
(F)				5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	* 31	D.B. W.B. D	ry Bulb		Dew Por
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4 / 45			2.	• 4				i		i		) ;						32	32	7	ì
4/ 43			2.2					<u>.                                    </u>		+		<del></del>				<del>-</del>		36	36	- 55	4
2/ 41	• 5		1.7					:		:		1		ļj	1			57	57	45	3 3
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3 / 37			2.7	• 1			ļ				:	1		! ;					54	4.0	3 8
7 / 35			3.3					<del></del>	+	<del>-</del>	<b>-</b>			<u> </u>				75	75	45	5 1
3 / 33			4.2	- 1				i		1	!							8.6	38	71	51
2/ 31			2.0					· 	<del></del>	<del></del>	<del></del>			·				59	46	98	41
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/ 12		2.8							<del> </del>	<del></del>				·				13	$\frac{31}{13}$	$-\frac{31}{32}$	5 E
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Element (X)		Zx'			ž X	┰	X	•,		No. O	bs.			٠٠	Mean No	. of Hou	re with	Temperatu	re .		
Rel. Hum.		5 7	1331		617		81.1	9.1	64		61	2 0 F		32 F	≥ 67 F			- 80 F	- 93 F		Total
Dry Bulb			4355		243		31.9	7.9	29		62			42.1					<b>†</b>	<del></del>	84
Wet Bulb		73	6778		2296		30.2	7.6		7	61			52.9							64
De- Point		59	7258		2029	8	26.7	8.5	73		61			60.5					<del>                                     </del>	<del></del>	84

SE. HAL CLIMATOLOGY BRANCH UNAFETAC ATH REATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 14 SAMSTEIN AB DL 73-81

STATION STATION NAME

73-81

PAGE 1 7970-1105

Temp.								EMPERAT										TOTAL	L	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 6	9 - 10 11	- 12	13 - 14 15	- 16 17	- 18 19	- 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wer Bulb	Dew F
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2/ 51		. 1	L		1.												i I	5	5	3.	
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1 / 47	<u> </u>	5	. 4	1	1	- :			i_			: :						. 9	9	. 2.	
4 / 45	1	1.8	3.4	. 8	1					1								46	46	11	
4/ 43	<u> </u>	3.2	2.0	. 3					1									41	41	30	
_/ 41		4 . 6	2.2	. 4	• 1				1					i				56	56	61	
4 / 3-		5.3	1.6	7	• 1				<u> </u>								·	58	58	41	
3 / 37	· • •	4 5.1	4.5	. 5			i	,	i			1						90	80	54	
/ 35	<u> </u>	3 5 . 4	7.1	. 4														100	100	62.	_
3 / 33		7 5.0	5.5	. 4		1			,	- 7		,					T	88	8.6	99	
2/ 31			1.4		i	<del>-</del>	<del>-</del>							<u>.                                    </u>			ļ	40	41	175.	
7 / 34		3 6.8	2.5	• 1						- 1		:						74	74	79	
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7 / 2	·	1.4	1							1							<u>.                                    </u>	12	12	27	
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Element (X)		ZXI			ž <sub>X</sub>	X		V <sub>A</sub>		. Obs.					Mean N	o. of H	ours wi	th Tempera	ture		
Rel. Hum.	<u> </u>		9756		5966			10.386		761		101		32 F	z 67	F .	73 F	≥ 80 F	• 93	FIT	otal
Dry Bulb	<b>↓</b>		8749		2652			6.782		76				30.0				-			
Wet Bulb	<u> </u>		8268		2477			6.451		76				43.7				<u> </u>			
Dew Paint	<u> </u>	66	4211		2174	9 2	8.6	7.490		761	oxdot		. 1	56.6	L			<u></u>			

EDITIONS OF THIS 8 ಠ 0-26-5 USAFETAC

GLUBAL CLIMATOLOGY BRANCH JSAFETAC A: LEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

FE3 1 14 RAMSTEIN AB DL STATION NAME 12 3-14-0 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) 1 =.9 • 3 1 57 • 1 5 / 35 • 1 • 4 4 4 +/ 53 • 1 11 5, 1 . 4 . 1 1.2 13 21 .7 1.3 / 4: • 3, 23 23 .7 2.2 1.2 1 47 43 43 9 2.4 3.7 2.2 1.3 2.8 2.2 1.8 1.6 / 45 75 • 3 38 67 55 4/ 43 67 13 . 4 3. 2.9 4.7 1.8 27 41 96 62 91 4:1 3 91 59 .1 4.9 4.3 1.7 41 .1 3.5 3.4 2.2 .3 2.9 4.5 2.8 93 72 72 62 67 175 / 35 79 84 3-1 33 .5 2.2 2.9 2/ 31 2.0 2.9 89 43 2.0 2.8 2.5 41 41 63 77 .5 3.3 2.5 96 / 25 73 •1 •3 1 23 79 2/ 21 / 19 41 11 / 17 1 / 15 1 / 11 1.831.235.318.917.1 2.4 762 2x 53379 No. Obs. Mean No. of Hours with Temperature Element (X) 70.114.<sup>2</sup>9 3389033 762 Rel. Hum. 10 F 1213157 29979 39.3 6.655 762 14.3 Dry Bulb 991943 27119 27.2 84 35.6 5.934 762 Wet Bulb 719619 72759 29.9 7.237 Dew Paint

SLIBAL CLIMATOLOGY BRANCH USAFETAC AL- REATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

17 14 PAMSTEIN AB DL 73-81 FEB
STATION STATION NAME VEARS MONTH

PAGE 1 1500-1700

Temp.						ME.	BULB .	TEMPERA	TURE	DEPRES	SION (F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	5 - 16	17 - 18	9 - 20 2	1 - 22 23 -	24 25 - 26	27 - 28	9 - 30	2 31 D.B./W.B	Dry Bulb	Net Bulb	Dew Poin
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/ 47			1.2							+	<del>-</del>			+	+-	4.5		17	4
4 / 45			3.3						į				1	i		37		40.	9
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3 / 37			4.5			<del> </del> -	+	<del> +</del>			<del></del>		<del>-                                    </del>	+	<del>i</del> _				61
7 / 35	-		6.2		i			1 1	;			į				8 3		90	68
3 / 33			3.3			<u> </u>	<del></del>				<del></del>			+ +		5		92.	61
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2 / 27			2.6	• 1	ĺ		1	i I	,			1				31		32	92
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Element (X)		2 82			Z x	$\top$	X	- P.	7	No. Obs	. 7			Mean No	o. of Hou	s with Temper	eture		
Rel. Hum.			3372		515	04		15.04	2	76		2 0 F	s 32 F	≥ 67	= 7:	3 F = 80 F	≥ 93 F	T	eral
Dry Bulb			5966		307			6.80		76			11.4			1			84
Wet Bulb			1524		275			5.91		76			25.5						84
Dow Point			9027		227			7.39		76			51.0		+-		<del></del>		84

USAFETAC FORM 0.26-5 (O.L.A) MENSIO MENOUS EDITE

GLYMAL CLIMATOLOGY BRANCH ISSEETAC AL WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

73-61 PAGE 1

1813-2000 HOURS ILL S. T.

Temp.								E DEPRESSION					TOTAL		TOTAL	
(F)	0 1-	2 3 - 4	5 - 6	7 - 8	9 - 10 1	1 - 12 13 - 1	4 15 - 16	6 17 - 18 19 -	20 21 - 22	23 - 24 25 - 26	27 - 28 29	- 30   = 31	D.B./W.B.	Dry Bulb	Vet Bulb	Dew P
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5 / 4			• 5	)									4	4		
. / 47	<u> </u>	5 _ • 5	1.2	. 1					1 1				18	1.8	7	
. / 45	.31.	8 1.7	7 1.3	5									39	39	23	
4/ 43	2.	4 3 . 4	1.1	. •1:	.3,				1	[			55	55	27	
2/ 41	4.	6. 3.4	1.6	• 5	. 3				1	<del>-</del>			79	79	- 3	
4 / 33	.1.7.	4, 2.8	5	. 4									8.5	6.5	59	
3 / 37	•4 3.	5 4.3	3 2.7	.4									81	81	86	
_ / 35		3, 3.											108	109	59	
3 / 33	.4 3.	4 4.9	• 8										72	7.2	93	
1/ 31	3.				Ì	1		1				:	63	63	124	
1 7 7	4.	7 4.1				1							67	67	79	
. / 27	• 3 5 •	4: 2.1	. 1	1 (						i	1		60	60	79	1
/ 25	•3 •	8 .8	3										14	14	5 <b>5</b> -	
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1 / 15				. 1	1			1				1				
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Element (X)	Z X1			z <sub>X</sub>	5			No. Obs.			Mean No.	of Hours wi	th Tempere	ture		
Rel. Hum.		36668		5674		4.611.		761	2 0 F		≥ 67 F	≥ 73 F	≥ 80 F	• 93 F	1	Tetal
Dry Bulb		44369		2783		5.6 5.		761		22.8						
Wet Bulb		88611	·	2564		3.7 5.0		761		39.4					_	
Dew Paint	6	76358		2203	7 7	7.0 7.0	TOK	761	+	55.1		<del></del>		<del></del>		

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STUPAL CLIMATOLOGY BRANCH USBFETAC AIR WHATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 -1 -3 AMSTEIN AB DL 73-B1 FES MONTH

PAGE 1 2170-2377 HOURS IL. S. T.

Temp.				-		WET	BULB	TEMPE	RATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0 1	- 2	3 - 4	5 - 6	7 - 8	9 - 10	12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25	- 26 27	- 28 29	- 30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Por
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5 / 4/			• 1	3			<del></del>	!				· · · · · ·						3.		
/ 47		. 1	. 4	. 3	í												6	6	3	
4 / 45			1.8			 				· •———					+-		31,	31	9	5
4/ 43		-	1.7	-													3.7	37	<b>26</b>	5
2/ 41		+	2.4				<b></b>			<b>.</b>							48	48	35.	18
45/ 75			2.0				1										5.8	5 8	43	32
3/:7.	1.0						<del></del>			·							51.	61	6 <b>6</b> .	5.5
'/ 35			6.7														75	95	61	5.3
3 / 33	1.2				• 3			<del></del>						<u>.</u>			107	107.	<u>67.</u>	6 <u>\$</u>
Z/ 31			2.4										•	:			54	54	136	3.5
2.1.20			2.0				ــــــــــــــــــــــــــــــــــــــ										65	56	<u>70.</u>	3 ه
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Element (X)	2	x,			Z x	<u> </u>	Ī	•	<del>'</del>	No. Ob	.				on No.	of Hours w	ith Temperat	910		
Rel. Hum.			65 2		6.35	36	79.4				62	2 0 F	1 32		≥ 67 F	≥ 73 F		93 F	T	otal
Dry Bulb			9471		258		34.7				62	<u></u> -	34			1		+	<del></del> -	84
Wet Bulb			1029		242		31.9				62		49			<del>                                     </del>		+	_	84
Dew Paint			0722		214		28.1				62		58			<del> </del>	+	+		84

USAFETAC FORM 0-26-5 (OL.A) BITHER REPORT EDITORS OF THIS FORM ARE OLDOGETE

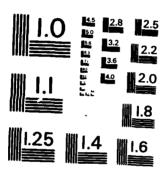
GLUBAL CLIMATOLOGY BRANCH OTAFETAC AT WINTHER SERVICE/MAC

# PSYCHROMETRIC SUMMAR

1 1 -7	<u> </u>	EIN A						7.3	-81									E
STATION			ST.	ATION NA	ME							YE	ARS				MO	TAC
															PASE	:	HOURS	Ļ.
Temp.					WET	BULB	TEMPERA	TURE DEP	RESSION	(F)	-				TOTAL		TOTAL	-
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8							23 - 24 2	5 - 26	27 - 28 29	- 30   = 31	D.8. W.8.	Dry Bulb		
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Rel. Hum.								<del>                                     </del>		± 0 F	1 1 3	2 F	≥ 67 F	≥ 73 F	- 80 F	* 93 °	,	To
Dry Bulb								1		1				1		1		
Wet Bulb							<b>†</b>	1		<b>†</b>				<del>                                     </del>	<del></del>	<del>1</del>		_

GLARAL CLIMATOLOGY PRANCH PSYCHROMETRIC SUMMARY COLFETAD A! WEATHER SERVICE/MAC 17 1- RAMSTEIN AB DL STATION NAME PAGE 7 HOURS IC. S. T. WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 e 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 6794 ·451.530.9 7.4 3.6 1.0. .2 MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE (OLA) 0.26-5 4 1 2 1 3 1 Element (X) No. Obs. 36:18879 7926761 4675 JI 2149 IS 6792 + 80 F + 93 F Rel. Hum. 76.712.441 10F 2 32 F ≥ 67 F = 73 F 35.3 7.581 32.7 6.854 29.3 7.723 Dry Bulb 238.6 6394 671 6801962 5257645 67. 67. 199234 Wet Bulb 6292 341.2 172675 6092 453.9

AD-A122 700 RAMSTEIN AB GERMANY (VEST) REVISED UNIFORM SUMMARY OF SURFACE VEATHER OBS. (U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A. 21 JUL 82 USAFETAC/DS-82/043 SB1-AD-E890 202 F/6 4/2 415 NL



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS - 1963 - A

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## **PSYCHROMETRIC SUMMARY**

Temp.						WE	BULB	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
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/ 47	• 2	1.2	1.4	1.7	. •2										4	1	34	34	25	
4 / 45	• 5	4.2	3.3	1.3	• 6	+			•	i							8.3	83	48	
4/ 43	• 1	2.3	4.4	• 8	• 4			:							:		67	67	5.2	
2/ 41		4.2	4.7	. 8			<del></del>		-								81	81	65	
4 / 311	• 2	6.5	2.6	. 7	1						١.						84	64	9.3	
3 / 37	• 1	3.9	3.5	1.3	-												71	71	99	
/ 35	. 4	3.9	5,0	. 1	1									_ !	_		79	79	6.3	_
3 / 33			4.1	• 6			:			1							72	72	5	
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TAL	3.34	16.6	38.4	9.2	2.4	• 1	<u>.                                    </u>	· 		<b></b>							<del></del>	937		!
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}						1	1		}		i				1					
Element (X)	<del></del>	L X '			ZX	<del></del>	¥	7,	L	No. Ob				<del></del>	ean No.	d House -	ith Temperat	ura.		
Rel. Hum.			3126		644	54	77.0				37	± 0 F	≤ 32		≥ 67 F	≥ 73 F		* 93	F (	Tota
Der Bulb			2812		322			7.5			37	v F	20		- 01 1	- /		+	+	
Wer Bulb		_	25 2		300	- 1		7.2			37		32				<del></del>	+		
Dew Point			5814		265		31.7				37		46			L	1	_i		

1 USAFETAC FORM 0.26-5 (OLA) REVISE MEVIOUS ERFICHS OF THIS FORM ARE OSSOUTED

SLIFAL CLIMATOLOGY BRANCH CIRPETAC AT LEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 1+2 -AMSTET AB DL 73-81 MAR
STATION STATION NAME YEARS MONTH

PAGE 1 2300-0540

Temp.		W	ET BULB TEMPERATUR	E DEPRESSION	(F)				TOTAL		OTAL	
( <b>F</b> )	0 1-2 3-4 5-	6 7-8 9-1	10 11 - 12 13 - 14 15 - 10	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26 2	7 - 28 29 -	30 - 31	0.8./W.8. D	ry Bulb W	et Bulb D	ew Po
1 57	• 1	-+			<del> </del>				1	1		
5 / 5	. 5				: 1	1	1	:	. 5	5		
4/ 53		. 4							12	12	3	
3/ 51		.12.				1			24	24.		
5/45		.2 .1							19	19	17	
. / 47	1.3								23.	23	26.	
4 / 45	.5 3.6 3.5 2				<b></b>				84	84	7.6	3
4/ 43	.1 2.6 3.5 1							_	. 60.	50	45	
/ -1	4.3 4.1 1								91	81	62	4
. / 3-	6.1 3.3	• -							. 84	34	77_	3
7 / 37		. 7							75	75	8.8	6
/ 35		• 1,			<b>.</b>				5.5	<u> 55.</u>	9.2	. 5
3 / 33	.6 4.5 2.9								67	57	59	
1/ 31	3.8, 7.3	. 4 . 2							56	56.	94	
/ 2		• 1							64	64	66	8
1 27		• 1,							50	50	_ <u>7</u> Ç_	15
/ 25	1.7 .6								19	19	3.3	4
1 2	•1, 3•1, 1•0			i					35	35	3C	
2/ 71	.1 .8 .1								9	9	16	2
/ 1	• 2		ال. ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ						2		15	3
/ 17	• 5								4	4	1	1
1 15	• 4 <sub>i</sub>							<u>.</u>	3	3	4	
/ 13	• 1								1	1	4	1
/ 11	• 5								4	4	4.	
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1 7				<u> </u>	1				<b>.</b>			
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lement (X)	21'	2 x	7 7	Ne. Obs.					h Temperatu			
lel. Hum.	5256434	65692	78.510.968	837	: 0 F	± 32 F	≥ 67 F	± 73 ₹	- 80 F	≥ 93 F		etal C
ry Bulb	1212176	31128	37.2 8.076	837		27.4			<del></del>		<del>- i</del>	9
fer Bulb	1062765	29119	34.8 7.712	837		37.4			<del> </del>	<b></b>	+	9
lew Point	866 739	25873	30.9 8.903	837	1	52.6	;		1	i .	_1	9

GLUHAL CLIMATOLOGY BRANCH LEAFETAC A AFATHER SERVICE/MAC

1 1. RAMSTEIN AB DL STATION NAME

• 1

5.754.831.5 7.2 1.4

#### **PSYCHROMETRIC SUMMARY**

7670+78(1) HOURS (... s. t. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B.-W.B. Dry Bulb Wet Bulb Daw Poin (F) 1 - 9 / 57 5 / 55 .1 .1 .6' .5 1.1: 1.2 4/ 53 13 13 -----./ SI . 6 26 26 14. 1.4, 1.1 24 24 16 •2 •7 •7 1•1 •4 3•1 3•1 •8 3•2 3•0 1•7 / 47 23 31 23 13 4 / 45 64 64 31 33 4/ 43 63 63 44 19 .2 3.9 5.1 1.3 2/ 41 5.8 59 89 45 . 8 5.6 3.2 83 37 83 62 . 4 / 3? 58\_ 4.2 1.4 94 53 37 .4 4.5 3.7 / 35 • 2 74 74 80 98 3 / 33 .7 4.7 2.6 • 1 68 68 69 72 7/31 47 .1 3.8 1.7 47 91 51 .5 4.7 1.5 .5 4.8 1.7 59 59 56 64 52 52 5 C 117 / 25 .4 2.5 .5 29 56 2.5 .8 2 / 23 28 28 23 61 .4: 1.2 21 21 2<u>8</u> 15 15 27 • 2 • 7 1 15 / 17 27 1 / 15 • 5 19 4 1 / 13

73-81

							i		1	ı i		
Element (X)	z x'	ZX	X	<b>₹</b> 2	No. Obs.			Mean No. a	f Hours wit	h Temperatu	104	
Rel. Hum.	5292149	65959	78.8	10.621	837	± 0 F	1 32 F	≥ 67 F	= 73 F	- 80 F	≥ 93 F	Tetal
Dry Bulb	1194829	30831	36.8	8,413	837		27.9			1		93
Wet Bulb	1048360	28864	34.5	7.961	837		37.8			<u> </u>	1	93
Dew Point	654939	25681	30.7	8.952	837		52.1					93

EDITIONS OF MEVIOUS ã , (OL. 0.26-5 1 2

USAFETAC

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R37 837

837

SECRAL CLIMATOLOGY BRANCH TITETAC AT SHATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	AMSTE	IN AB DI	STATION NA	ME				7 <u>3 - e</u>	1			YEAR	<u> </u>				M A MONT	
															PAGE	1	0900-	11 5. v.
Temp.				WET	BULB '	TEMPER	ATURE	DEPRES	SION (	F)	-				TOTAL		TOTAL	
(F)	0 1 2	3 - 4 5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25	- 26 27	- 28 29	- 30   2 31	D.B. W.B.	ory Bulb	Wet Bulb D	ew P
/ 51		•	. 2										1		3	3		
/9	·	. 2 .	2 . 2		• 1	•1				ļ					8.			
/ 57		•1 •	. 2	• 2				i							6	6		
5 / 55		1.1	3, .4	• 6		<u> </u>		<u> </u>							24	24.		
4/ 53	• 5	.7 1.2	2 1. 🗅	. 4		:		· .							3.2	32	b	
<u> 37 51 </u>	8.	2,4	1.3					<u> </u>							41.	41.	15.	
5 / 45	1.7	1.7 1.3	<b>?</b> • 5	• 1	1			1							4 3	4 3	29	
/ 47	.2.1.6	2.2.1.	7. • 2.	. 4	<b></b> -	·		++			+-				52.	52.	62.	
- / 45	3.0	3.8 3.	-	• 1				1 1							97	97	56	
4/ 43		4.5 2.				++		<del></del>							. 21	31.	61.	_
7 4		4.1 3.3		• 1				. i							1'1	171	73	
4 / 30		4.5 1.	<del>+</del>			<del></del>		<del></del>				-			1.5	135.	<u> 98</u>	
3 / 37		4.1 1.3	-	• 1				1 '							65	6 <b>5</b>	101	
/ 35	+ 4 • 3														77	77.	?2.	
3 / 33 -/ 31	. 2 1.9							1 1							37	37	92	
/ 20	.1, .7	1.3	<del></del>					+		·					25	<u>25</u> .	<u> </u>	!
. / 27		•5 •				1									13	13	32	
/ 25	•6	.6 .	<del></del>					· ·				<del>-</del>			$+\frac{11}{7}$	<u>11</u> .	<u>21.</u> 13	!
7 / 23	• 5	. 2				1		: .			1				6	6	13	
2/ 21	• 1		+					+							· <u> </u>	1		
15	• 2		! !												2	2	,	
1 / 17			+			+ + +		<del>                                     </del>		<del></del>	<del></del>	<del></del>		<del></del>	·		<del></del>	:
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1 / 11		:						! !		i				·				
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TAL	1.330.7	37.821.	3 6.7	2.0	• 1	• 1					1				1	937		8.
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	<del> </del>		1					+-+					-	+	<del> +</del>	•		
Element (X)	2*,		Z <sub>x</sub>		Ī	•	-	No. Obs	ل				an No	d Maura ==	th Temperatu			
Rel. Hum.		944	603	14		13.15	5.8	8 3		: 0 F	= 3:		≥ 67 F	- 73 F	- 80 F	, • 93 F	T.	rol
Dry Bulb		9113	3526		42.1	7.22		83				7.2		- · · ·	+	1	<del>-   ``</del>	(
Wat Bulb	1279		321		38.5			8.3				3 3		<del> </del>	+	<del>                                     </del>	-	
Dew Paint		7864	279			8.2		83				1.1		<del></del>	<del>                                     </del>	+	<del></del>	<del>;</del>

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

14"	PAMS	TFT!	N AR	01						73-	81								м.	₽ P
STATION	7.7.13				ATION N	AME				-	<del></del>			YE	ARS				MO	
																	PASE	i	12 0	
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0 1	- 2	3 - 4	5 - 6	7 - 8								3 - 24 2	25 - 26	27 - 28 29	- 30   + 3	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
4/ 73								-		• 1		-					1	1		
1 69	1	į					' :			1	. 1	- 1		:			4	4		
6/ 55					•1	. 4	• 5	• 1	• 2								11	11		
41 53						. 9	• 5	• 2		!							15	15		
1 61					. 8	• 5	. 2	• 2		1				1			17	17	•	
/ -9				1.3	. 7	• 7	1.1	• 2		:		ì	į	i		:	34	34		
/ 57		• 2.	• 2	1.3	• 7	. 8	• 2	• 1		,							31	31	3	_
5 / 55		• 1	• 5	1.5	1.2	. 8	• 1											32	12	
4/ 53	• 1	• 2	1.6	1.1	1.1	1.0	•6										47	47	32	
_/ 51				1.1		. 4	• 5	•1		<u> </u>	·						5.7	57	41	
5 / 44	•			2.7			. 4			:	i		i				5.1	51	46	
/ 47				3.8		• 5	• 6			· 	<b>-</b>						72	<u> </u>	5.7.	
4 / 45	• 2 1				3.7		• 5	!			i						153	153	58	4
4/ 43					1.8					<u>.</u>				-			84	34.	<u>87</u> .	3
./ 41					2.9			İ									84	<b>54</b>	106	4
4 / 3		• 2			- 8	5	· •———			<u> </u>	· 						55	55	99	<u>5</u>
3 / 37		• 1		• 6	• 6	. 4		Ì									39	39	89	. 8
7 / 35	•1 1	• 1		• 1	• 8		+			<del></del>					<u>:</u>		23	28	<u>88</u>	<u> 1-</u>
3 / 33		• 4	• 5		• 4		-			1						1	14	14		7
1 31		+	• 1 <sub>j</sub>	. 2		<u> </u>				<del> </del> -	<del></del>	·	<u>:</u>				3	- <del>3</del> -	26 16	_ 5
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/ 25	+-	-+	• 2	<u></u>		L				<del> </del>							<del></del>		16	
. / 23		1		- 1				1				1		1					7	3
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/ 12	j	į		i			r	i			: 1		i		i					1
17		$\rightarrow$								<del></del>		-	<del></del> +		<del></del>		-+			- 1
1 / 15		i					:			1	) 		ļ	į			:			•
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1 7	1			į				1					1				į.			
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1 3	i	1		i										i		i	i 1			
Element (X)	2 %	7	-+		EX	$\top$	¥	*,		No. Ot	s.				Mean No.	of Hours w	ith Temperat	,re		
Rel. Hum.			1									± 0 F	1	32 F	≥ 67 F	≥ 73 F	- 80 F	- 93 F	•	Tetal
Dry Bulb											1		1					I		
Wer Bulb													$\perp$	1				$\Pi = 1$		
Dew Point									$\neg  au$				$\neg$			T		,		

USAFETAC NOM 0.26-5 (OLA)

No. Obs.

837

837

837

837

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X

51411 61.415.412 39458 47.1 7.636

34546 41.3 6.601

28217

**PSYCHROMETRIC SUMMARY** 

Mean No. of Hours with Temperature

- 80 F - 93 F

93

93

93

≥ 67 F ≥ 73 F

.6

s 32 F

. 9

7.4

GLERAL CLIMATOLOGY BRANCH

AIR REATHER SERVICE/MAC

USAFETAC

0-26-5 (OL A)

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Zx'

3356387

1908888

1462264

1016571

SEURAL CLIMATOLOGY BRANCH JSAFETAC AL- "EATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

RAMSTEIN AB DL STATION NAME M & C 1573-17.3 HOURS (L. S. T. PASE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 2-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 0.8-W.B. Dry Buth Wet Buth Dew Point • 1 1 71 / 59 / 67 5/ 55 • 5 •1 13 13 1.9 . 4 2 C / =9 •6 1•7 •8 1•1 1•7 ۲2 1 57 37 33 ĩ / =5 .1 1.3 1.2, 1.3 42 .1 .5 .4 1.6 1.7 .5 2.3 1.2 3.8 1.1 4/ 53 78 39 39 5/ 51 7.5 74 74 3 .8 1.3 1. 1 33 1.1 49 55 .2 1.6 1.2 3.1 2.9 1.3 1.3 5.4 5.7 2.9 1.4 1 47 94 94 4 C 140 147 70 04 4/ 43 .1 1.7 2.6 2.4 2.4 1.0 • 1 97 82 32 29 .4 2.4 3.6 2. 41 79 79 115 33 1.3 1.8 1.2 40 83 >1 .2 1.4 1 37 31 .6 31 آن 9 69 . 6 ۶5 12 12 1-2 33 • 5 15 38 79 / 31 47 24 16 47 62 57 13 , / 23 4 2 / 17 1 / 15 / 13 1 / 11 3 Element (X) Mean No. of Hours with Temperature Rel. Hum. 10 F : 32 F = 67 F = 73 F = 80 F = 93 F Dry Bulb Wet Bulb Dow Point

73-81

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BECMAL CLIMATOLOGY BRANCH USPEETAC **PSYCHROMETRIC SUMMARY** AT- WEATHER SERVICE/MAC STATION STATION NAME WET BULB TEMPERATURE DEPRESSION (F) 1 . 2 3 . 4 5 - 6 7 - 8 9 . 10 11 - 12 13 - 14 15 . 16 17 - 18 19 - 20 21 . 22 23 - 24 25 . 26 27 . 28 29 - 30 # 31 D.B.-W.B. Dry Bulb Wet Bulb Dew Poul 7.823.222.223.514.5 6.1 3.0 1.3 .4 .4 7 74 58.116.355 48.4 7.769 41.8 6.591 33.3 9.293 Element (X) No. Obs. Rel. Hum. 3:50011 48591 837 267 F = 73 F = 80 F = 93 F 1 32 F 2012378 Dry Bulb 43527 837 93 34963 93 93 Wet Bulb 1498451 837 6.8 998200 27840 39.3

0.26-5 (OLA)

SLIBAL CLIMATOLOGY BRANCH STATETAC

#### **PSYCHROMETRIC SUMMARY**

PAGE 1

AL FEATHER SERVICE/MAC TATEL STATION AR DL 1 14 MAD 73-81 STATION NAME

1800-2050 HOURS ILL 5. T.I WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 6/ 55 • 1 • 1 4/ 53 / 51 • 1 7 7 . 6 <u>•</u>2 4 1. . 1. 3 .6 .6 .6 .5, 1. 3 • 2 24 24 • 5 .6 • 1 21 21 .7 1. 1./ 53 1 34 34 18 5/4 1.3 2.4 .6 1.2 .7 1.6 1.1 1.4 49 49 ς • I 43 43 40 / 47 1.2 1.8 2.9 1.7 73 47 2ε •2 2•2 5•6 5•4 1•1 •1 1•4 6•8 3•5 1•7 / 45 • 1 124 54 124 61 4/ 43 115 115 68 3 C 1/ 41 1.7 4.5 3.1 1.8 96 96 158 43 1 25 7) 2.9 1.9 2.5 1.0 70 • 2 • 7 3/ 37 2.2 1.8 . 8 49 49 89 5 7 / 35 .7 3.7 1.4 177 48 52 48 3 / 33 .6 .8 1.1 26 26 62 72 1/ 31 .7 • 2 . 2 13 60 13 • 8 • 2 15 15 24 46 7 / 27 . 1 24 . 1 €1 / 25 15 49 52 2/ 21 21 1 17 17 17 6 / 15 / 13 1 / 11 10 1 7 11 .615.933.626.614.3 6.2 2.2 .4 TAL 937 837 837 837 ZXI Element (X) 65.515.232 No. Obs. Mean No. of Hours with Temperature 54808 3782872 Rel. Hum. 837 10 F ≤ 32 F ≥ 67 F × 73 F = 80 F ≥ 93 F 1771662 3.7 37262 44.5 7.156 837 93 14.6 1354145 33199 39.7 6.682 837 93 Wet Buib 33.7 9.194 981107 27605 837 93 Dow Point

4 õ \$ \$

Dry Bulb

Wet Bulb

GL 13	AL	CLIMA	TOLOGY	BRANCH
_ S . F	LTA	С		
Αï	m E A	THER	SERVICE	/MAC

1 14 RAMSTEIN AE DL STATION HAME

4676134 1406757

940466

616D8 33811

31110 27066

40.4 6.862 37.2 6.807 32.4 8.768

#### **PSYCHROMETRIC SUMMARY**

																		PAGE	1	POURS	-23 <u>-</u> 2
Temp.						WET	BULB	TEMPE	RATUR	E DEPR	ESSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 1	6 17 - 16	19 - 20	21 - 2	23 - 2	4 25 - 26	27 - 28	29 - 30	* 31	D.B./W.B. D	y Bulb	Wet Bulb	Dew Poir
1 57								i -	i	1	ī	1			1		T	1	1		
5 / 55		i	. 4	• 2		• 1		ļ			4		<u>'</u>	· .		<b>.</b>	<u> </u>	. 6.	5		
4/ 53		• 3	. 8	1.0	• 1	• 1		ı				i				1	•	24	24	3	
./ 51		1.6	1.7	• 5	. 4	. 1	ı	·			:					<u> </u>		35	35	. 16.	4
5 / 4"		• 6	2.3	• 1	i	• 1	i					1						26	25	19	9
1 47	. 4	1.7	2.2	1.3	1.									-				54.	54	. 38.	22
4 / 45	. 7	4.1	4.2	3.1	1.2													111	111	54	38
4/ 43		2.4	5.6	1.1	. 4		1		<u>.                                    </u>			<u> </u>	4			•		. 79.	_ 79	54.	29
2/ 41		3.9	6.5	1.9						1	i				:			103	103	68	56
4 / 34		4.8	3.1	1.4	1		<u>.                                    </u>	l 1	٠			<u> </u>				<b>.</b>	<u> </u>	79	79	114	27
3 / 37	. 4	3.9	3.5	1.7	• 2				.,	i	1			,				٤ 1	31	89	75
/ 35		2.3	4.9	1.3	. 2		İ		1	1	1	L						. 72.	72	78	169
3 / 33	• 1	1.8	3.1	. 4	5			1	:	-	1			, -	•			49	49	66	79
2/ 31		1.4	1.4	. 7			!	i	: 	1		+	1	4				. 30	30	93	36
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ULIBAL CLIMATOLOGY BRANCH ISAFETAC ASSIMFATHER SERVICEZMAC

#### **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AB OL STATION NAME PASS 1 ALL | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | 1 69 . 1 1 67 • 3 6/ 55 • 1 26 26 41 53 43 48 47 47 / = 9 98 / 57 • 1 . 3 94 94 5 5 138 138 • 7 7 • 8 4/ 53 226 . 6 . 6 226 1.7 322 322 48 .9 1.5 • 6 288 288 234 68 / 47 422 422 326 176 4 / 45 856 556 •1 1.9 4.4 2.3 •1 2.9 4.2 2.2 4/ 43 628 241 628 518 41 714 655 3 c 5 4 / 32 .1 4.2 3.7 1.2 600 600 734 735 • 1 •4 2•6 2•6 1•7 •1 2•5 3•1 •5 •3 2•2 2•1 •3 37 55-469 469 779 / 35 3 / 33 445 794 445 63C 603 348 348 51 à .1 1.9 1.1 238 238 529 401 .1 2.2 237 453 . 4 237 332 27 .2 1.9 • 6 185 185 291 734 • 8 417 . 4 89 89 136 2 / <u>23</u> 1^8 475 21 •1 • 3 31 31 71 169 / 19 152 1 / 17 Ş 17 / 15 / 13 57 1 / 11 **5**0 46 Element (X) ZX No. Obs. Mean No. of Hours with Temperature ± 32 F Dry Bulb Wet Bulb

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GERRAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** LOFETAC AL VEATHER SERVICE/MAC M A D 1 14 - AMSTEIN AB DE STATION HOURS .. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL WE' BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

O 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Po 56°5 56°5 6690 6695 THIS PORM ARE OBSOLETE 0.26-5 (OL A) 2 3 2 3 **7**<u>k</u> E X ZX No. Obs. Mean No. of Hours with Temperature Element (X) X 70.615.381 6695 ≥ 67 F = 73 F Rel. Hum. 34978:27 472837 ≤ 32 F 41.9 8.661 37.9 7.539 101.0 177.6 Dry Bulb 12250315 280549 6695 1.9 254052 6695 744 10020816 Wet Bulb 7551330 32.4 8.921 6695 351.4

SL.RAL CLIMATOLOGY BRANCH USAFETAC AT- REATHER SERVICE/MAC

1 140 RAMSTEIN AB DL

## **PSYCHROMETRIC SUMMARY**

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STATION NAME

#### **PSYCHROMETRIC SUMMARY**

PAGE 1 TOTAL
D.B. W.B. Dry Bulb Wet Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 5 / 55 - 1 •2. •1 • ? - 1 4/ 53 .2 .9 .7 2/ 51 . 1 15 5 1.5 .7 19 19. / 47 26 26 / 45 4.9 3.6 73 73. 2.3 3.2 .1 4/ 43 47 51 47 20 2/ 41 3.9 2.7 .4 .4 6.8 3.7 1.2 5 C 50. 4 / 31 . 92 92 37 1.1, 7.0, 2.1 .7 89 89 91 53 .217.0 2.7 172 102 06 .6 7.0 1.2 73 73 93 2/ 31 4.3 1.5 47 47 54 5.2 1.4 53 46 102 107 2 / 27 .7 7.0 1.4 78 · / 25 .1 2.3 .1 .1 1.5 .1 41. 21. 34 61 2/ 21 1 14 26 1 / 15 8 912 TITEL 3.066.824.4 4.1 .7 .2 .1 610 X % 83.8 9.739 37.3 6.956 Element (X) 5368323 65469 810 = 47 F | • 73 F | • 80 F | • 93 F 2 0 F = 32 F Dry Bulb 1165343 30199 810 23.2 93 1033973 28443 35.1 6.596 25730 31.8 7.429 32.2 810 Wet Bulb 90 49.3 90

73-81

POBM G-26-5 (OL.A) MYSEO MEYOUS EDITIONS OF THIS

GLUBAL CLIMATOLOGY BRANCH UBAFETAC AT WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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## **PSYCHROMETRIC SUMMARY**

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SUPAL CLIMITOLOGY RRANCH USFFETAC AT AEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 14 AMMINISTRICT AND STATION NAME AD D 12 0-1400 HOURS (L. S. T. PAGE 1

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Rei. Hum.		13°35		428	13	52.9				39	1 0 F	± 32 F	≥ 67 F	= 73 F	≥ 80 F	• 93	FIT	Tetal
Dry Bulb		127~		424	67	52.5	8 . 8	14	8	29		<b>†</b>	6.7					5
Wet Bulb	161	0 12	:	357	42	44.2			8	09		1.1	•1	t	1			9
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Wet Bulb	1	61.0)	2	357	42	44.2	6.2	74	809		1.1	•1	_	1		9
Dew Point		7529	4	277	94	34.4	7.8	98	809		35.7				1	9

USAFETAC NOM 0.26-5 (OLA)

GL PAL CLIMATOLOGY BRANCH UNDERTAC AT: REATHER SERVICE/MAC

1 : 14" SAMSTEIN AB DL

# **PSYCHROMETRIC SUMMARY**

APR

STATION		STATION NAME					YE	AR S				MON	TH
										PASE	1	15 70-	1 5
Temp.					RE DEPRESSION					TOTAL .		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9 - 1	0 11 - 12	13 - 14 15 -	16 17 - 18 19 - 2	21 - 22 2	3 - 24 25 - 26	27 - 28 29 -	30 = 31	D.B. W.B. D	ry Bulb	Wet Bulb	De w
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t / 67		• 1	1 .4	7 1	. ז. פ	1				27	27		
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4/ 53		1.	7. • 5	2.1 1	.0 .1					45	45		
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7.59	• ?	.2 .5 .	2 1.2	3.0	6					49	49	7	
/ 57		.5 .1 .	9 .6	1.2 1	1					41.	41	2_	
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2/ 51	1.6	1.7 1.6 1.	0 1.7	r • 2						58	58	73	
5/40		2.1 1.1 1.	7 1.5	• 2						51	61	7.C.	
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4 / 45	1.2 1.9	3.2 3.7 3.	1	<del>i i</del>						106	106	<u>.</u> . <del>5</del> 3 .	
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2/ 41	1.7 2.7			<u> </u>						43	43	72.	
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3 / 37	<u>•1</u> •6 •1		<u>i                                     </u>	+		-				7	7	176	
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Element (X)	Zx²	Zz	<u> </u>		No. Obs.	+	<del></del>	Meen Ne.	f Hours with	Temperatu	10	014	_
Rel. Hum.	2382884	41106		19.155	810	10F	± 32 F	e 67 F	≈ 73 F		. + 93 F	7	or
Dry Bulb	2392552	43394		9.155	810	†	<del></del>	17.0	1.4	<del></del>	<del></del>	<del></del>	_
Wet Bulb	1036172	36072		6.066	810	<del> </del>	. 4			<del> </del>	1	+	_
Dew Point	980426	27436		7.950	810	+	38.0		<del></del>		<del> </del>		_

SLCRAL CLIMATOLOGY BRANCH LCAZOTAC Alm REATHER SERVICEZMAC

## **PSYCHROMETRIC SUMMARY**

| Temp. | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL

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1 / 10	. 4	12.7	17.9	15.6	13.9	14.0	8.3	7.7	3.0	1.0	.6	.1		1	· <del> </del>	<del>-</del>	610	810	810	3 810

GLORAL CLIMATOLOGY BRANCH PRAFETAC AIR WEATHER SERVICE/MAC

0-26-5 (OL A)

USAFETAC

#### PSYCHROMETRIC SUMMARY

1 14 RAMSTEIN AB DL 73-81

STATION STATION NAME 73-81

PAGE 1 21:00-23:00 HOURS 1...5. T.

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.S. W.B. Dry Bulb Wet Bulb Dew Poin . 7 4/ 53 •4. •1 1 51 1 59 . 1 • 5 • 1 / 57 . 4 • 5 13 18 1.2.2.2 1.2 • 2 47 47 13 .2 2.5 1.3 .6 .2 38. 3.5... 1 47 2. 2.7 2.2 1.5 70 ; 9 45 / 45 4.1 6.3 3.5 1.1 48 4/ 43 1.5 3.8 1.7 73 37 65 55 1 3.5 2.6 3.5 1. 9 <u>7</u> . 5.7 01 6.2 3.3 .7 .6 8.9 88 96 5€ 3.3 3.3 3.1 3.6 6<u>3</u> 60 68 ·/ 35 91 67 12 3 / 33 71 2.1 3.7 83 48 1 31 .7 .6 .1 62 12 67 \_\_30. \_17 1.9 1.1 6 🗎 1 27 c 3 / 25 23 37 2/ 21 1,9 1 19 1.130.636.518.6 8.9 3.0 1.2 No. Obs. Element (X) Meen No. of Hours with Temperature 4272768 57956 71.613.401 Rel. Hum. 810 s 32 F 43.1 7.057 4.4 Dry Bulb 1542874 34336 810 93 39.2 6.258 31756 Was Bulb 1276674 810 14.0 90 982782 27566 Dew Point 810 37.8 90

SE RAE CLIMATOLOGY BRANCH SAFETAC AL- HEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 -	HAMSTEI	N AB		TION NA	ME				73-0	1			EARS				A F	
			•		<del>-</del>										PASF	i	A L	
Temp.									DEPRES						TOTAL		TOTAL	
(F)	0 1-2	3 _ 4 _	5 - 6	7 - 8	9 - 10	11 - 12	3 - 14	15 - 16	17 - 18 1			3 - 24 25 - 2	6 27 - 28 2	9 - 30 - 21	D.B. W.B.	Dry Bulb	Wer Bulb	Dew !
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4/ 53			• 1	1	- 8	- 4	- 8	- 4							158	165	2	
./ 51	•	. 1	- 1	. 2	• 3	5.	•6	• 2	• 0						122	122	2	
1 59		• 1	• 2	• 4	• 5	- 7	• 9	•1							168	158	12	
57	• •	. 1	• 3	. 4	• 5	5	• 3	• 2							146	146	19	
/ 55	• 1	.4	. 7	• 6	1.7	.6.	• 2	• 7							236	236	80	
6/ 53	3	• 3	• 9	1.2	. 7	. 51	• 2	• €							300	300	172	
/ 51	7	1.7	. 9	1.2	.6	. 6	• 1		-						393	380	242	
/ 49	•1 •8	1.3	1.2	• 6	• 5	- 4	• 7.								328	328	356	
/ 47	. 1.8	1.6	1.3	1.1	. 8	. 4									444	444	443	1
/ 45		3.4	2.4	2 • C;	1.2	• ]									736	786	548	3
4/ 43			1.6		• 3										449	449	557	2
2/ 41			1.9	• 7	• C								<b></b> :		539	539	534	
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el. Hum.											10F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	• 93 F		Total
ry Bulb								<del></del>				<del></del>	<del></del>	<del></del>	<del> </del>	+	-+	
let Bulb	<del></del>											<del> </del>			<del></del>			
ew Peint		i													1			

BLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USIFETAC A. FATHER SERVICE/MAC 1 . 143 - AMSTEIN AB DL STATION NAME PAGE 7 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 23 D.B.-W.B. Dry Bulb Wet Bulb Dew Point 6478 6477 1. 31. 523.713.610.1 7.4 5.7 3.7 2.1 .9 .4 .1 6477, 6477, MEVIOUS EDITIONS OF THIS FORM ARE GESCIETE ₹ ಠ Element (X) No. Obs. Mean No. of Hours with Temperature 432906 66.818.743 293476 45.3 9.815 260027 40.1 7.163 217864 33.6 7.598 312 9257 13919424 s 32 F 6477 #47 F = 73 F = 80 F = 93 F Rel. Hum. 10F 19.1 6478 58.6 720 Dry Bulb 10771345 6477 101.9 720 Wet Bulb

6477

7702032

Dew Paint

GLUBAL CLIMATOLOGY BRANCH USAFETAC A EF REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION	RAMSTE	1 7		ATION NA	ME				73-81			YE	AR5		· ·		MON	
															PAGE	1	7670- HOURS (	- 5.2 cl
Temp.									DEPRESSIO						TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 19 -	20 21 - 22	23 - 24	25 - 26	27 - 28 29	- 30   = 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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6/ 65		. 1							·	· <del></del>	+	·			<u> </u>	1	جي ماند	
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4/ 51			• 6		<u>• 2</u>	<b></b>				<del></del>	<del></del>	+		<del></del>	<u> 14</u> .	$\frac{14}{10}$ .	<u>2</u> .	
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5 / 55	.2 2.4	+	2.4	• 5	_• <u>2</u>		-1				<del></del>				71	$-\frac{34}{71}$	15	
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		<u>.                                    </u>								<u>i</u>	<u> </u>				<u> </u>			
Element (X)	Σχ'			z <sub>X</sub>		X	•,	Ţ	No. Obs.	1				<del></del>	th Temperate			
Rel. Hum.		6537	·	655.			11.24		837	= 0	-	s 32 F	= 67 F	≥ 73 F	▶ 80 F	+ 93 F	1	Total
Dry Bulb		2343		4021			6.9		837	<del></del>		1.6	•	1	<del></del>	<del></del>	-	9
Wet Bulb		6874		375.	- 1		6.34		837			3.9		<del></del>		$\downarrow$		9
Dow Point	14/	3020		346	, u	41.4	7.0	7	837		L	11.8		1	1	1	i	9

Stimat CLIMATOLOGY BRANCH U! AFETAC ATE REATHER SERVICE/MAC

STATION STATION NAME

#### **PSYCHROMETRIC SUMMARY**

MAY

93

93

PASE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 21 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wer Bulb Dew Point 41 57 . 1 .4 .7 1.0 .5 21 21 / 59 1 1 57 .8 1.7 4 22 2. 1.6 1.6 5 5 / 5 47 47 11 • 1 .5 2.5 2.4 1.7 4/ 53 17 c/ 51 . 1 51 5.1 .5 1.8. 3.1 • 1 5.1 37 1 1) .4 3.2 3.5 1.1 67 67 29 1 47 .4 4.7 4.2 1.3 93 47 179 1 45 .4 8.2 5.6 1.1 4/ 43 4.9 3.2 *a* 7 75 4.9 3.2 . 4.4 1.7 .5 4.2 2.2 2/ 41 93 64 64 86 3.7 57 67 87 3 / 37 .6 3.2 1.9 48 48 5,5 69 / 35 3.0 32 32 54 58 3 / 73 1.8 19 19 27 2/ 31 .1.1.3 .8 ž 3 2.5 39 • 5 / 25 2:1 23 2/ 21 11: 4.249.333.5 9.9 2.3 .6 T: TAL B37 837 Mean He, of Hours with Temperature

No. Obs.

837

837

837

837

10 F

s 32 F

5.1

7.3

17.0

T

80.710.422

45.5 7.258

39.8 7.391

67547

38114

35875

33271

73-81

0.26-5 (OL

Element (X)

Rel. Hum.

Dry Bulb Wet Buib

Dew Point

5541943

1779620

1576163

1368231

SLIBAL CLIMATOLOGY BRANCH JSFETAC A" "EATHER SERVICE/MAC

PAMSTEIN AB EL

1763716

1491115

34847

41.6 6.945

#### **PSYCHROMETRIC SUMMARY**

YAY

<del>\$ 3</del>

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 5 - 6 - 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1 59 • 1 6/ 65 4/ 03 13 / 51 • 7 5. . 19 .5 1.7 2.6 59 1.2 • 1 46 46 2 57 1.3 1.2 1.8 1.3 45 45 5 / 55 1.9 1.8 2.9 58 31 68 60\_ 4/ 53 .2 1.4 4.4 1.6 73 73 5, 1 • 5 21 2.5 6.2 1.4 04 94 66 2 3 .1 2.5 4.9 1.8 79 79 . 1 35 39 1 47 .2 3.8 3.5 1.3 79 79 83 •1.5•7,5•1 1•3 1•3 •5 3•1 2•3 1•0 / 45 114 114 113 4/ 43 5 **5** 55 73 1. ? 27 41 .1 3.1 2.7 5 5 56 29 69 4 / .2 2.4 .9 3.3 71 .6, 1.1, 1.2 24 24 5 8 59 7.7 35 1.6 .5 17 17 25 56 3 / 33 43 2/ 31 ĩı • 2 24 31 27 3 Î / 25 þ / 23 3 2/ 21 2.433.236.617.7 7.2 2.4 .6 76.511.784 Element (X) No. Obs. Mean No. of Hours with Temperature 5.17.394 64 348 Rei. Hum. 837 ± 32 F 267 F 273 F 280 F 41 13 38 26 49.7 7.059 45.4 6.297 Dry Bulb 2 351297 837 1.2

837

2.6

10.7

73-31

₹ ğ 0.26.5 1 1 2 2 USAFETAC FORM 0.26-5 (OLA) RIVIED MEYOUS EDITIONS OF THIS FORM ARE OLECULES

SECHAL CLIMATOLOGY SRANCH OFFETAC AT CEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 14 HAMSTEIN AB UL STATION PAGE 1

Temp.						PRESSION					TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4 5	6 7-8 9-	10 11 - 12	13 - 14 1	5 - 16 1	7 - 18 19 - 20	21 - 22 23	- 24   25 - 26	27 - 28 29 -	30 = 31	D.B. W.B. D	ry Bulb W	let Bulb D	Dew Poi
/ 4)	<del>-</del> · <del>- · ·</del>			• 1		• 1					2	2		
7 / 17			1 -1.	• 1		<b>.1</b>					<u> </u>	5		
/ 75				• t	• 2	• 1					ರ	á		
4/ "		•1	2 .1	• (	• 5.	1			·		14	14		
/ 75				1.1	. 4	•1 •1					? ŝ	23		
1 54			7.1.2			1					28.	28_		
1 67		•1 •2 •	. *	• 4	• 1						? )	5.5	3	
<u>6/65</u> ,	<u>.</u>	<u>•5. •7. 1</u> .				<u>• 1</u>			·		37.	<u> </u>		
47.63	•1 •1 1	1.1 3			• 2						70	7.7	٤	
<u>/ 51</u>	<del> </del>	3 3.2 2		• 6	<u> </u>						8.2	82	17	
4 5 9	•1 1.2 2		-	1 • 3							93	93	* <b>G</b>	
_ / 57.		<u>.5 2.4 1.</u>	<del></del>								71.	71.	<u> </u>	1 .
5 / 75		•6 2•4 1• •2 2•3									3.2 6.5	3.2 4.5	•	1
- 4/ 53 1/ 51			7 • 1						· · - · · - · - ·	<del></del>	55. 77	<u>5</u> 5 73	. <u>1</u> _73. 93	<u>.</u>
· / 51	•7 2•7										38	38	110	4 :
/ 47		• 1 • 6					··				<u></u> 35	35	114	- <u>-</u>
a / 45	1.3, 2.2 1			i							44	44	34	17
4/ 43		•5 •1									17	17	<u>- ت</u>	1
2/ 41	.2 1.7		,	1	i						15	15.	12	6
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7.1	9.017.313	.320.316.	5 2 · 5	7.2	Z • D	• 7 • 2	•		·			337		83
1					1	İ					937		637	
+		<del> </del>					<del></del>			-+	·			
			'	1		ļ	1			!				
Element (X)	Zx'	ž x	¥		<del></del>	No. Obs.			Mean No. o	f Hours wit	h Temperatu	**		
Rel. Hum.	3293317	50967	67.9	15.36		8 3 7	± 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	. • 93 F	Te	otal
Dry Bulb	2815921	48777		8.06		837		<u> </u>	11.7	3.2	<del></del>		<del></del> -	9
Wet Bulb	2134225	41767		5.99		837			•3		<del>•</del>			9
Dew Point	1601352	36142	43.2	4 06	-	837		8.1			<del>+</del>	+		9

GLUBAL CLIMATOLOGY BRANCH OF FETAC ATH REATHER SERVICE/MAC

1

## **PSYCHROMETRIC SUMMARY**

RAMSTEIN AB DL 1 14 STATION M & Y 73-01 1270-1400 HOURS IL, S. T. FAGE 1

Temp.			WET BULB 1									TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9	- 10   11 - 12	13 - 14	15 - 16	7 - 18 1	19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 2	9 - 30 - 2 31	D.B. W.B. [	Dry Bulb 1	Vet Bulb I	Dew Po
6/ 0-		·					- 1		• 1			1	1		
·/ ÷ ·					<u>• ?</u>	• 2		_ • 7'	• 2	<b></b>		Ç	<b>ə</b>		
/ -1				• ?	• 1	. 4	• 1	• 2				9	3		
/ 79			1		• ?	• 5	• 2	. 4				12	12		
7 / 77				• 1	• 7	. 6	• 7					18	1 9		
t/ 75			. 5	1.1		1.0	• 6						33		
47 73			•1 •5	1 • 4	1.7	• 5	• 5					40	4.3		
/ 71		•5_	• 2, • 7	1.7	1.1	. 7						41	41		
1 69		• 2	.8 1.2	1.2	. 6	. 4	• 1					3.8	3 ₽	?	
- / 6?		•1 •2 1	1.2 1.3	•6	• 5	• 5	• 5					41	41	. 4	
6/ 55		. 2 . 4	.8 1.9	1.2	1.0	• 5						57	5.0	3	
4/ 63	•	1 1.0 1.5 4	1.1 2.5	1.7	1.7							1,06	1.4	9.	
7 51	• (	4 1. 1 1.7 2	2.23	1.0	• 5	. 1						75	-	F	•
1 -19					• 1					<b></b>		7.3	$ \cdot$ $^{\prime}$ $\cdot$	66년 _	•
1 57	• !	4 1.9 1.3 2		• 4					-			67	67	4 3	1
5 / 55	1.5	2 1.9 1.4 1	1.9.4									5.7	5.7	73.	1 4
4/ 53	.6 1.	2 1.4 .7	• <b>6</b> • 5									42	42	114	16
11 11	.4 1.		• 5	1						<b></b>		33	33	100	4 8
• / • •	.4 1.4	4 • 4 • 2	• 5									24	24	99	4 3
/ 47	1.2 .		• 5									19	19	97	7 3
4 / 45		8 1.3 .7	• 1		γ							31	31	71	144
4/ 43		5 • 2										<u> </u>	6	27	1
1/41	•5 •	4 • 1										3	8	22	7 9
+ / 37	. 4.				:									21	6
3 / 37	• 1				:		-					1	1	14	5 9
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3 / 33					•										4.1
./ 31						<u>_</u>					+			•	23
1 / 79					Ī			1			,				٤ ع
7 / 77		<u> </u>	· · · · · · · · · · · · · · · · · · ·							1		· 		•	
/ 25				,	i	- 1		:		1					10
/ 23		<del></del>		i	-		i			1		·		<b>_</b>	
2/ 21				1	Ţ	7					1				:
Element (X)	Zχ' Zχ X No. Obs. Mean No. of Hours								. of Hours wi	vith Temperature					
Rel. Hum.								10 F	2 32 F	≥ 67 F	≥ 73 F	≥ 80 F	• 93 F	T	0101
Dry Bulb												1			
Wet Bulb												1	I		
Dew Point														1	

USAFETAC FORM 0-26-5 (OLA)

TECRAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** A1 - MEATHER SERVICE/MAC 1 -1+0 FAMSTEIN AB CL STATION NAME WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Pair 4.2 3.710.912.718.414.711.9 9.2 5.3 2.9 .8 .2 .1 937 937 ž fortons or ` (OL A) 2 2 Z<sub>X</sub> No. Obs. Maan Ho. of Hours with Temperature Element (X) \*\* 51.116.069 61.9 9.120 51.8 6.069 42.3 7.291 24 12513 3279645 2274948 42781 51835 73343 B 37 2 67 F 2 73 F 2 80 F 2 93 F 2 0 F ± 32 F Rel. Hum. 93 93 837 26 .9 13.6 2.6 Dry Bulb 837 Wet Bulb 1542581 35411 837 Dew Point . .

SECRETAC ATT WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

1 147 SAMSTEIN AB DL 73-81 MAY
STATION STATION NAME

PAGE 1 15-0-1700
HOURS (U.S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8. W.B. Dry Bulb Wer Bulb Dew Por •1 •2 8/ 87 • 1 4/ 9= -/ 27 . 4 ó 6 • 5 11 11 / 79 .1 .1 1.1 18 7 / 77 .7 1.6 27 27 1.1 1.7 :2 • 2 32 4/ 77 •2 •4 •8 3•0 •6 •6 •2 •8 1•1 1•8 1•2 •2 48 43 / 71 47 47 1 59 . 8 1.9 2.2 .7 5.2 .6 1.1 .4 .3 .5 2.3 1.7 .7 31 / 67 6/ 65 5.3 .5 1.1 3.9 2.3 2.4 1.3. .6 103 1 3 16 .7 1.3 2.2 3. 1.3 3.7 €.9 1.6 ?.7 .5 2.7 1.7 65 53 52 .3 2.7 1 57 E 9 93 59 5 / 5 . 9 1.7 44 44 77 1. 1.1 ું હે 32 117 • 2 31 77 \_ 1 • 2 23 . 4 . 4 \$ 2 .6 1.1 167 4/ 43 . 8 98 ٤١ b Ç 3 / 37 \$ 0 3 / 33 31 27 / 25 1 23 3 Element (X) Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wet Bulb

TAC FORM 0-26-5 (OL.A) REVISED INEVIOUS EDITIONS OF THIS FORM ARE OSS

CLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** AT SEATHER SERVICE/MAC STATION STATION NAME MAY ... 73-81 1500-1740 HOURS H. S. V. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 21 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 3.6 3.1 2.617.417.714.713.611.1 8.0 4.5 1.4 .4 .2 937 Element (X) No. Obs. Mean No. of Hours with Temperature USAFETAC 4:713 ≥ 67 F = 73 F = 80 F 221,371 Rel. Hum. 837 48.616.588 52463 63.2 9.3 7 43678 52.2 5.941 35120 42.0 7.335 Dry Bulb 3411121 837 31.1 16.7 2308796 837 Wet Bulb 93 1518597

0-26-5 (OL A) 1 1 2 5 SLEBAL CLIMATOLOGY BRANCH LEAFETAC ATT REATHER SERVICE/MAC

STATION	RAMSTE	***		TION NA	ME				73-	<del></del>			EARS				Mo	A n 1
															۶۵۵۹	: 1	15 G	
Temp.									DEPRE						TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 - 26	5 27 - 28 2	9 - 30   + 31	D.B. W.B.	Dry Bulb	Wet Bulb	D
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4/ 27									. •?.		1 '	• 1	* <i>*</i>		-+4	. 4		
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1 77							• 1		• 1.	. 2			*- · - <del>-</del>		4	4		
7 / 77					_	ية و		. 1		. 4					15	15		
- 57 <b>7</b> 5 -	· · · · · · · · · · · · · · · · · · ·				?	·- <u>• 1</u>		. • 7		<u> </u>						14		
/ 7				• 1	•1	• 1	.1.2	. 6	. 4	• 1					16	15 36		
			• 1		- 2			. 4		<u>1</u> .			•		42	42		٠
- / 67				• 1.	. 5	. 7	. 5	. 4	. 7	• .					24	24	1	
6/ 65		•1	• 1	- 7	. 7	1.7		. 3	•				•		46	45	1.	•
41 63	• 1			2.2	3.6		1.6								9.9	9.8	6	
/ =1		<del></del>	1.3.			1.0		• ?	+				*		7.8	7.9		
1 : 9		1.3	1.6	2.6	2.9	1.6	1.6	• 1	_			4	<u>.</u> .		94	94	- 6	
7.57	•1	1.1				• 5									7.7	7 7	(2)	•
5 / 55		1.2				• 3				<del></del>					71	71	. £4.	
9/ 5:		1.3	2.2		• 5	• 7		-							5.2	5 <b>2</b>	117	
2/ 11		2.4	_ • 7	• 7	• 2	. 5			•				<u> </u>		47	47	101	•
5 / 4 -	• 5		• 6	• 4	• 2	• 2									26	26	118	
- / 47		1.3	1.7	• 5	• <del>?</del>	<u> </u>			·				·		<u>33</u> 26		1_0	•
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Element (X)	Σχ'			X		X	· **	-+-	No. Ob	•		- 33 =		o, of Hours w	<del></del>			To
Dry Bulb					-+-		<del> </del>	-+-			± 0 F	± 32 F	2 67 1	=	- 80 F	• 93	<u> </u>	-
Wet Bulb							<del> </del>	-+-				<del> </del>	<del> </del>	+		+		
Dew Point							<del> </del>					<del> </del>	+		+	<del></del>		

HOZAR YUCLOTAMILD LAS J. **PSYCHROMETRIC SUMMARY** SEFETAC A SATHER SERVICE/MAC AMSTELN AB DL STATION NAME 1 1+ PAGE 3 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0.212.314.615.415.512.311.2 5.9 4.1 1.4 .4 .1 <u>837.</u> 837. OBSOLETE ₹ 0.26-5 (OL Element (X) No. Obs. Z X Meen No. of Hours with Temperature X 54.916.959 59.7 8.557 2767426 45997 Rel. Hum. 837 Dry Bulb 3046429 50003 837 17.9 6.6 1.3 2188167 42513 57.8 5.874 837 Wet Bulb 93 42.2 7.413 1536295 35319 93 837 10.7

SECRAL CLIMATOLOGY BRANCH USAFETAC A 1 LEATHER SERVICE/MAC

1 11 RAMSTEIN AB DL

STATION		STATION NAME			·		YE	ARS				MON	th
										PA35	•	21 G	
Temp.	<del> </del>				RE DEPRESSION					TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4 5 -	6 7-8 9-1	0 11 - 12	13 - 14   15 -	16 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 - 31	D.B. W.B.	bry Bulb	Wer Bulb	Dew Po
1 - 9	.1		1							5	5		
1 67	• 2	• 2	. 4							ç			
67 65	•1	.1 .4 .	1		1				•	5	6	2	
4/ 37]	.5 .4	.6 .5 1.	1 .4	•2 •	1			· ·- ·- · · · · - ·		7.2	32	5.	
/ 61	•4 •2 1		3 . 4	• 4						? 6	3.6	6	
1 69	.2 1.3 1	• 2 • •	6 • ?	•		<b>.</b>				5.3	53	رن!	
/ 57	•4 •7, 3•1 2		8, • 2	• 2						79	79	<sup>-,</sup> 5	_
5 / 55	1.6 3.5 4	.7 .8 1.	1 . 5	<b>.</b>	+					101	131	71_	
4/ 53	•1 1•2 4•5 3	.1 1	2 .1							8.5	86	9.1	1
1 51	.1 2.4 6.2 2		4 .2			<u> </u>		<b>- -</b>		179	179	96_	. · · · · · · ·
5 / 46	* * * * * *		2							4 5	45	129	3
/ 47	.2 3.6 3.2 1		2	<b></b>					_ +	<u> e 1</u> .	. 31	100	5
4 / 45	•5 3•3 3•7 1	•7 •5 •	1							82	± 2 °	101	15
4/ 43	1.2 1.5 1					<b>.</b>				3.5	35	75.	1.
1/ 41	1.3 1.1 1	• 1 • 1								ه د	29	- 3	ŝ
	.8 1.3	. 4		·—							21	37.	5
3 / 37	•5 •6 •2									11	11	29	5
/ 75	.1 1.1 .2									12	_ 12	<u>. 25</u> .	4
3 / 33	• 2									2	2	15	
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Element (X)	2 <sub>X2</sub>	62034	71.0	13.591	No. Obs.					A Temperatu			
Rel. Hum.	23 4055	43517		6.8.0	836	± 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93 1	<u>-</u>	Total 9
Dry Buib	19115 4	39666		5.939	836		•2	4 .0		<del></del>	<del>+</del>		<del> 5</del>
Wet Bulb	17117 4	37000	<del>4</del> /•4	30737	830	<b></b>	1	<b></b> _	L	<del></del>	<b>+</b>		

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STATION	AMSTEI	N AB OL	TATION NAM	ME				73-5	31			YE ARS					- MOI	A Y
															PASE	1	HOURS	LL L. S. T
Temp.				WET	BULB T	EMPER.	ATURE	DEPRES	SION (F	)					TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4 5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20   2	11 - 22 2:	3 - 24 25 -	26 27 - 28	29 - 30	9: -31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
57 57									• 7		• • •	:			4	4		
11 35						<b>_</b>	• 7		_ • Q,	<u>, r</u>	•7. •	<u> </u>		<u>.</u>	6.	6.		•
-/ 33		• .					• 7		• 0		• ^				19			
1 - 1						• 1	. 7	• 1	_ • 1 _	•1.					27.	27.		
1 7+					• "	• 3	• 0	• 1	• 2	. 1					34	34		
7 /_ 17				. • ~_	. 1	-1	• 2	. 4	• 2						<u> 65.</u>	95		
1 75			-	• 7	• 1	• 3	. 4		• 2						3.7	57		
4/ 73				• 1.	• 1.	. 4	_ • 7.	. 2	1						113	.11.		
/ 71		• 3	. 1	• 1	. 4	• 6	• 6	• 3	• 1						152	152		
1.59		• ` • 1	-1	. 4	• 5	• 8	• 2	• 2					•	+	156	156.	3.	
- / 67		• 1	. 1	. 4	• 5	• 3	• 2	• 2	• 1						128	128	: 1	
6/ 65		•1 •2	2 • 3_	. 5	_ • 3	• 5.	• 3	• I.							195	195.	27.	
416	. 1	.1 .5			1.1			• 1							427	427	5.7	
1 4	• 1	•4, •8	1.4	1.3	1.1	• 5	. 2	• 0							365	385.	. 125.	
7 .9	• 2	. 3 1 . 4	2.	1.1	. 7	. 9	• 3								479	479	192	
/ 57	• 1, • 5,	1.2 2.1	1.1.1	1.2	• 4	• 2									449	449	351,	
5 / 25	. 1.1	1.3 2.7	1.	1.7	. 4	• 7									541	5.4.1	397	
4/ 53	.1 1.2	2.6 2.	9	• 3.	• ?										504	5.,4	678	. 1
fl	.1 1.6	4. 1.1	• 3	• 3	• 2	i									535	5 3 5	692	
- / 4:	.1 1.3	3.7 .8	• 3	• ?	• 1,							- •			383	330	796	. 3
1 47	.1 2.9			• 2											444	444	558	5
4 / 45	• 2 3 • 2	2.8 1.3	. 7	. 1											<u>550.</u>	557	712	<u>. 1</u> 1
4/ 43	.1 1.5	1.7 .5	•												265	265	454	7
2/ 41	.2 1.7		• `												238	238	387	•
4 7 3 1	.1, 1.4														156	156	314	5
1 / 37	• 2' • 9'	.6 .			i	i						_+			120	127	252	. 4
/ 35	. 1.7	• 3			1										6 3	80	157	4
3 / 33	•   • 6,	• 2				i									52	5.2	111	3
2/ 31	• 1 • 3	• 1													* 2	32	65	
1 7 75	• 5	• 7	·												7.3	33		·
2 / 27	• 1		•	-	1										6	6		2
1 75	·												<b></b>	<del></del>			1	<b>-</b>
/ 27				-1	į	,				ļ			1	1				
2/ 21			1	نحب		1								ــــــــــــــــــــــــــــــــــــــ	لمستيا			
Element (X)	Z <sub>X</sub> '		ZX		¥	<b>₹</b> ,		No. Ob							Temperatu			
Rel. Hum.										10 F	± 32 ₽	≥ 67	F	+ 73 F	→ 80 F	≥ 73 F		Tetal
Dry Bulb															<b>i</b>	+		
Was Bulb											<del></del>		-			<del> </del>		
Dew Point		i														<del></del>		

SUCPAL CLIMATOLOGY PRANCH STAFETAC ALT WEATHER SERVICE/MAC

STATION	AMSTEIN AB	STATION NAME		73-5:		<del>y</del> E/	ARS -				MA Y
									P 4 3 5		ALL DURS LL S. T.
Temp.			T BULB TEMPERATU						TOTAL		TAL
(F)	0 1-2 3-4 5	-6 7-8 9-1	0 11 - 12 13 - 14 15 -	16 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 • 31	w.B. Dr	y Bulb Wet	Bulb Dew P
•	21.423.715	.017.3	4 6.8 5.7 3.	5, 2.3 1.1		.1			4	695	56
			• •						56 G 5	66	. 66.9 595
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ı		,		! !	1						
				<del>                                     </del>	+	<del>- • • • •</del>			<del> </del>		
		1			1	1	:	!	!		
		<del></del>	+						<del></del>		
			_		<u>i                                     </u>	1		_ i	i		
						1			;		
							i		<u>.                                    </u>		
Element (X)	2 <sub>X</sub> ,	Zx	X a	No. Obs.	L				h Temperatur		
Rel. Hum.	3-1935865	437589 365637	65.418.656	6695	2 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	• 93 F	Total
Dry Bulb	20562441 15971323	322599	54.610.180 48.2 6.988	6695		7.9	89.6	40.7	8.7		7
Wet Bulb Dew Point	12098416	287432	41.9 7.252	6695 6695		14.0	1.6		<del>                                     </del>		7
PAM LOIMI	44070740	£ 9 77 3 2 1	7 4 6 7 1 1 8 4 3 4 1						4 1		, ,

USAFETAC FORM 0.26-5 (OLA) REVISIO MENTOUS EDITIONS OF THIS FORM ARE OLICITED

SULFAL CLIMATOLOGY BRANCH LATELTAC ATH REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 1+ RAMSTEIN AB OL STATION NAME 1UN 7000 + 7710 HOURS ILL S. T. PAGE '

Temp.					DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4	5-6 7-8 9-1	0 11 - 12 13	- 14 15 - 16	17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29 -	30 - 31	D.B. W.B.	Dry Bulb W	let Bulb C	New Poir
7 / 77		* *	. • 1		•			· ·		1	i		
41 75					والمساور المستواد المستو	+					1.,		-
/ 71		• 3								2	2		
1 59			11.			+					5.		
/ 67		• • • • • • •	2							5	. 5		
61 65		4_ •1								12.	1	<u>-</u>	
4/02	•1 2•7 1•7									64	64	1.1	
	2.7.3.6		4 - 1 - 1		•	***			<del></del>	12.	12.	3.4	
/ = 9	.1 2.6 5.8	1.9 .1								8.5	÷5	49	20
/ 57	9 4 8 4 9					·				103.	123	1.4.	45
5 / 55	.1 5.3 3.8									93	93	32	74
4/ 53	5, <u>3.8, 3.6</u>									. <u>. 78</u> .	78. 79	1.78. 78	1.5 1.5
./ 1	.6 3.1 5.6	.4 .1								48	48	9 <b>3</b>	
1 47	.6 2.3 2.7 .6 5.1 .5				· · ·					57	57	. ອວ. 87	7.7
4 / 45			1							56	56	59	19
4/ 43	.6 4.7 .7 .4 2.3 .1									27	27	46	- 4
2/ 41	.5 .7	• • •								15	15	31	4
4 /	•1	<del></del>	_ +	<del></del>	•		+			3	3	1	18
7 / 37	.1									2	2	6	• ``
7 7 35	• 2	+			•	<del></del>					<del></del>		
3 / 33										_	_	2	
4/ 31		+		+	·							 	
/ 200												-	
/ 27	<del></del>		_+		•	+				L		•-	
. / 25	1						. 1						1
1 / 23			-	1								•	
TAL	247.933.6	16.6 3.0 .	5] • 4]	i	. :						o - 9		۾ ا
										8(19		8 ^ 9 °	
		<u>i.                                    </u>				<del></del>	<u> </u>						
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	-		1	<del></del> -	1		1		i		-		
		· • • • • • • • • • • • • • • • • • • •	<del></del>		<u> </u>				ببلي				
Element (X)	2 g '	Zx	X		No. Obs.			Mean No. of					
Rel. Hum.	55:10719		81.81		8 3 9	10F	± 32 F	* 67 F	≥ 73 F	→ 80 F	• 93 F		etel .
Dry Bulb	2453930		54.7		809	ļ		1.7	• 2		+	+	9
Wet Bulb	2191911	41827	51.7		809	<u> </u>	- 3			<del> </del>	<del></del>		90
Dew Point	1986906	39726	49.1	0.640	809	i	2.6			L	<u> </u>	_1	9

ULCHAL CLIMATOLOGY BRANCH USEFETAC AL \*EATHER SERVICE/MAC 1 147 \*\* AMSTEIN AB DL

## **PSYCHROMETRIC SUMMARY**

1 147 -AMSTEIN AS OL 73-81 JUN MONTH

STATION STATION NAME YEARS PAGE 1 7370~05.00 HOURS U.S. T.

Temp.					E DEPRESSION		04.00.00	00 00 55	70 - 21	TOTAL		TOTAL
(F)	0 1-2 3-4		0   11 - 12	13 - 14   15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	30 = 31		ory Bulb 1	Tet Bulb Dew
/ 69	:	• 1			•	1 1			'	1	1	
6/ 67	<del>1</del>	.1 .4	<b>.</b>		· <del></del>	+				· 2.	·	, .
4/ 63		1.5			1					76	26	
1/ 51	1 2.7 2.3			<del></del>	<del></del>	<del></del>				52	52	23
7 59	.1 1.9 4.3									63	50	34
/ 57	.1 4.3 5.1		<del></del>		<del></del>	·				39	89	41
5 / 55	1. 6.4 4.6	-								119	119	9.3
4/ 53	.6 3.8 3.2	• 5								66	66	118
_/ 51	1.4 4.2 3.2	• 4		f L						74	74	59 1
: / u:	.9 3.1 3.7									5.5	5.5	~ 3 °
/ 47	•9 5•1 2·7				<b>—</b>			<b>-</b>		. 64	64.	- 3
4 / 45	.5 7.7 1.2	• 2 • 1								79	79	F1 1
4/ 43	1.1 2.8 .5	• 6:								41.	41	5
2/ 41	1. 2.5 .2	• 6								35	35	45
4 / 7	<u>• 3 1•1 • 5</u>	. 7		·	·	<del></del>				26.	<u> 26</u> .	27 18
3 / 37	.5 .4 .4			j				ı		17	1.0	
3 / 33		• 1	· · · · · · · · · · · · · · · · · · ·			·		·		<u> </u>		- <u>15</u>
7 / 13 7 / 14	• •									)	3	<b>7</b>
<del></del>			+	<del></del>		+						٠
7 77												•
/ 25			•	·		<del>++-</del>				<del>-</del>	- •	- •
. / 23		1		. 1								
27 21												
T to La	7.047.031.91	10.9 1.2	-+	<del></del>	<u> </u>	<u> </u>				+	917	s
i		1	:	·		1		*		810		810
		<del>-</del>		<b></b>	<del></del>	+			<del></del>	<del></del>		
1		1 1	1		1							
				<del> </del>	<del></del>					+		
1			ļ		1	,		l i	1			
	<del></del>		<del></del>	<del> </del>	+	+				<del>-i</del>		
1		. ,	!	1	· i			į	1	1		
Element (X)	z <sub>x</sub> ,	Zx	<u> </u>	<del>  •</del>	No. Obs.	<del> </del>		Mean No.	of Hours wi	th Temperatu	70	
Rel. Hum.	5777356	68.36	84.1		810	± 0 F	± 32 F	≥ 67 F	= 73 F	≥ 80 F	: + 93 F	Total
Dry Bulb	. 231444	42168		6.690	810		†	• 3		<del>  -===</del>	+	+
Wet Bulb	2 24137	40163	49.6		810		• 7			<del></del>	1	
Dew Pains	1:49921	38333	47.3	6.913	817	<del></del>	3.0	<del> </del>	<del> </del>	<del> </del>	+	

PSYCHROMETRIC SUMMARY

73-81 YEARS MONTH

Temp.					DEPRESSION					TOTAL		TOTAL	
( <b>F</b> )	0 1 . 2 3 . 4	5 - 6   7 - 8	9 - 10 11 - 12	13 - 14 ,15 - 16	17 - 18 19 - 2	0   21 - 22 23	- 24 25 - 26	27 - 28 29	30 - 31	D.B. W.B. D			ew Po
177				• 1		*				1	1		
7 / 77			٠,	<u></u> !		1				÷	;		
1 75		•		•	· · ·		- • · •		•		~	•	
4/ 72		. :	-1.	• 1						7	•		
/		• 1	• 2				- · • •	• •	•	7	··· <del></del> -		
/ -9		• 2 • 9	. 4							1 ~	12		
. / 67		6 .1 .5	- · · · · · · · · · · · · · · · · · · ·			*********			•	11	11	1	
6/ 65	1 -	. 9 .4	••							. 16.	18.	5	
4/ 63	2. 1.		+	• - • -	*·				~ +	7.0	73	10	
./ (1	2. 3.		• 1							56	58	7.5	1
1 - 9		4 3.2 1.1	. 4	·· · • · ·						109	1 13	ξs.	:
/ 57	.2 3.3 4.		• •							96	4.5	23	4
5 / 55	.2 3.8 4.		.6 .1					•	•	123	133	1 1	ÿ
-/ 57	.5 2.5 5.									6.3	33	113	7
1 51	.4 2.7 5.		·		•	*	+ +	•	. 4	. 5	5 €	06	1 0
1 4 5	.1 1.2 2.									34	34	- b	5
1 47	.6 5.1 .				· · · · · · · · · · · · · · · · · · ·							96	à
/ 45	.5, 2.6,	2 1.0		1							35.	54	13
4/ 43		1 .4 .1								1.2	12	1 8	7
2/ 41	.1 1.1	• 4								13	1.7	15	3
4/1	.1 .1 .	2								4		13	1
5 / 37		1								1.	1	4	
·/ 35		1								1	1	5	
3 / 33	<u>.</u>	1			1					11	1	1.	
./ 31					:						•	1	
1 7	<del>-</del>			<u> </u>	 	1						1.	
1 27						-			-	· - · <del>-</del>		•	
/ 25		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·					•			
/ 23	1	4 1	1	i	i				, -			-	
TAL	3.729.036.	823.0 5.4	1.7	•1 •2	)! :					•	91.7		٩ ;
			1	į	i i		,	,		810		810	
		<del></del>		1	<del>                                     </del>	1				·			
i			1	!		i							
<del></del>	<del></del> _	<del></del>								٠			
lement (X)	Ž X '	Zx	X	**************************************	No. Obs.		<del>,                                     </del>			Temperatur			
el. Hum.	5.8162			10.956	810	= 0 F	± 32 F	= 67 F		<del></del>	+ 93 F	T	tal
ry Bulb	257895			6.481	810		<b>  </b>	3 .8	•	<u> </u>		<del></del> -	9
Per Bulb	224792	-)		5.788	810		. 2	.1		<u> </u>			9
Dew Point	199484	3986	49.2	6.362	810	1	2.0	1		1		1	9

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D. 26-5 (OL A) BENIED MEN

UL PAL CLIMATOLOGY BRANCH PIPETAC A - REATHER SERVICE/MAC

1 1- RAMSTEIN AB DE

SAFETAC NOW 0.26-5 (

GL. FAE CLIMATOLOGY BRANCH COMPETAC A'- WEATHER SERVICE/MAC

RAMSTEIN AB OL

## **PSYCHROMETRIC SUMMARY**

STATION		STATION NAME							,	CANT					. , .
												9255	1	19 T C -	
Temp.			WET BULB T	TEMPER!	TURE	DEPRES	SION (F	)			<del></del>	TOTAL		TOTAL	
(F)	0 1-2 3-4	5-6 7-8 9-							- 24:25 - 26	27 - 28 29	. 30 * 31		Dry Bulb		Dew
/ 31							<del>+-</del>		. 4						
/ 89							. 1	• 1				2	2		
6/ 37							• 1	• 1				· · · · · · · · · · · · · · · · · · ·			
£ / 35						. 1	• -					1	1		
-/ 3E				•		•1	•1					· <del></del> -		· •	
/ -1				. 4	• •	. 7						1.	ר ו		
7 79					- 4		· • • • •					<u> </u>	··		
7 / 77			.1 .1	1.4	-	• 1						7,	2 र		
75			D 2.3		2					•	· · · <del>-</del> · · · ·		— <u> </u>	•	
4/ 73			.4 1.7	.1	4		. 1					35	35		
7 7 1	•1	.2 1.4 1			4-					<del>-</del> · · · · -		22.	44		
1 63	• 1	.5 1.6 2		4		2						47	47	2	
/ 67		·	1.	• 2	• 4	• <del>2</del> • 1						41	- <u>7</u> / -	$\frac{2}{11}$	
6/ 65		2.6 1.4 1			. 2	• 1						63	57		
4/ 63		7.3 4.6 3		• 4							•	<u>143</u> -	148	4 <u>6</u>	
7/ 51			9 .5		. 2							82		77	
/ 9		+	. 9	• 1	2					*****		$\frac{\varepsilon}{71}$	- <u> 2</u> -	. 97	
/ 57			-	• 1								•			
<u> / E/</u> 5 / 55			•1 • <del>7</del>	• 1							ـ	<u>+ 60</u>	<u>50</u> .	. <u>122</u> . 113	
9 / 93 6/ 55			• 4 • 2	:								_			1
7 5				L							_	$\frac{32}{23}$	$-\frac{32}{23}$	<u>3</u> -	1
	.1 .1 1.9		• 2												
/ 4 ?	•1 •5 1 • 2	- 1 - 2								<del></del>		<u> 16</u> +	16	64	
/ 47	• 7					1						1 3	_	4 8	
45	• 1	1						+		<del></del>		. 2		19	
4/ 43	:				!									-	
2/41				<b></b>	i					<del></del>		<b></b>		· · · · · · · · · · · · · · · · · · ·	
. /		1		' !		1								2	
7 / 37											+	+			
/ 35			1	i	-					1					
3 / 33	<del></del>	<del></del>		-						<del></del>		· · · · · · · · · · · · · · · · · · ·			
2/ 31				1	i			1		1					
/ ? ;			-+		+					+		+		· · · · · · · · · · · · · · · · · · ·	
7 27				i	<u> </u>		i	!		,					
lement (X)	z <sub>X</sub> ,	ZX	X	<b>₹</b>	1	No. Obs.			<del></del>			th Temperatu			
Rel. Hum.			<u> </u>					10F	: 32 F	2 67 F	≠ 73 F	≥ 80 F	<b>→ 93</b> 1	<u> </u>	010
Dry Bulb								<u>-</u>	<b></b>	ļ	<u> </u>	+	<b>_</b>		
Wet Bulb					1					<u> </u>	<u> </u>	+	<u>i</u>		
Dew Point					$_{\perp}$							i			

USAFETAC FORM 0.26-5 (OL A) REVISIO MENDUS EDITIONS OF THIS FOR

E RAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** SERVICE /MAC AMSTEIN AB DL STATION NAME WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 23 D.B. W.B. Dry Bulb Wer Bulb Dew Point 4 - 415 - 126 - 717 - 814 - 310 - 4 5 - 6 2 - 3 1 - 6 5 - 6 2 - 4 - 4 - 5 - 6 2 - 3 1 - 6 - 6 2 - 6 2 - 6 4 - 6 2 - 6 2 - 6 4 - 6 2 -REVISED MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0.26-5 (OL A) Mean No. of Hours with Temperature Element (X) No. Obs. X 267 F 273 F 280 F 62 - 814 - 179 3348759 8.39 Dry Bulb 33727 5 51845 64.1 7.892 809 28.9 2677923 45645 809 56.4 5.625 Wet Buib 1.4 Dew Point 53.4 6.509

GLUHAL CLIMATOLOGY BRANCH OTAFETAC A FORATHER SERVICE/MAC

																JN
													PASE	1	1270 HOURS	5
			WET BULB							-			TOTAL		TOTAL	_
0 1.2	3 - 4 5 - 1	6 7-8 9	- 10   11 - 12	13 - 14 1	5 - 16 1	7 - 18 1	9 - 20 2	21 - 22 2	3 - 24 2		27 - 28 29	30 = 31	D.B. W.B. C	ry Bulb	Wer Bulb	De
		ļ			i	;	;				• 1		2	2		
											4		·			
							,		. 4	• 5				- 4		
										+	+-		<del></del>	· · ·		
													3	3		
						. 4	• 1						7	7		
			1	• 2			• 2.						36	36		
			.1 .4	1.1	2.7	1.4	• 2						48	3.6		
	_ <b></b>	•				. 4					·		4.8	+8		
	•	-			• 4		• 4									
	<del>•</del>		<del></del>				• 4									
	-	_				-							_	-	1 7	
<del></del>					• 1				<del>-</del>			· <del></del>	• <u>55</u> -	<u>55</u>	· · · · <del>· ·</del> · ·	-
	.7 1.	_		• 1	. 4								5.5	5.5	5.9	
• 2	•4 2 •	6 3.3	3.5 1.5	• = +	• 2	• 1							101	1 ^ 1	97	
													5.8	58.	86	
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SLIPAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY U TECTAC AT REATHER SERVICE/MAC : A MSTELN AB CL STATION NAME 1200-1460 HOURS 1.5.7 WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 77 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 | D.B. W.C. Dry Bulb Wer Bulb Dew Po 7 .5 3.3 6.917.417.214.715.411.210.2 5.3 1.9 .9 .4 .7 .5 BEVISED PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE 0-26-5 (OL A) 2 2 Mean No. of Hours with Temperature Element (X) \*67 F \*73 F \*80 F 47.6 28.7 10.1 25766 2 3824827 54.315.499 68.1 9.063 Rel. Hum. 43746 810 10F ± 32 F 817 55175 10.1 Dry Bulb 57.8 5.710 Wet Bulb 2729571 46793 810 4 . 1 49.8 6.592 2346378

GLIPAL CLIMATOLOGY BRANCH USAFETAC AIT WEATHER SERVICEZMAC

## **PSYCHROMETRIC SUMMARY**

1 4 "	RAMSTI	IN A		TATION N	A) 46				73-8	1			VE	ARS				ال Mo	JN NTH
STATION			,	ALLON	AME								,,,	ANS		PAGF	1	15 3	-170
Temp.					WET	BULB .	TEMPER	ATURE	DEPRES	SION (F	)					TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	5 - 26	27 - 28 29	- 30   2 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
-1 97		-	-						i					,	•	1 1	1		
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-/ -5								• ?	1.0	. 7	• 2					18	18	_	
7 -: -	- •	•	•		•	?		1.2		• 2						41	41		
1 74					• 1	• 1	• 9	2.0	• 5	. 9	• 2					38	3.9		
7 77					• 1	1.2	<del></del>		. 7	• 1						56	56	•	
. / 75				• 1	. 1	1.6		. 9	. 5	. 4	• 1					4 9	43		
4/ 73			.1		•	7.7	• 9	1.0	• 2	. 6						46	46	•	
1 7:		. 1		. 7	. 6		1.7	1.4	• 2							54	54	. 1	
1 69		1 6	. 7	• 7	3.3	•	2.0	• 5								74	74		•.
1 67	-	. 4		. 6	2.0	7.	7	• 2								48	4.8	73	
£/ 65		i 5	. 6	1.2			1.1	• 2	. 4							53	5.3	75	•
4/ 53	.1 .		2.3			•		• 2								107	107	89	
7 41	.4		1.6				2									55	55	98	
/ -, 9				1.7	. 9											43	43	вč	
7 57				9	·											45	45	94	•
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37 51	•			. 1	• •											12	12	69	1
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/ 45		+			<u></u>	•	<del>}</del>									<del></del>	-		` 1.
4/ 43		1																8	
7/ 41		+	<del>-</del>					+								<del></del>			• • •
1 74	•																		
1 37	+	<del></del>	·													+		•	
/ 35							:	i j						,					•
7 33+		<del></del>	+			·	<del></del>		+					<del></del>	-	<del></del>			
./ 31							!												
	Ž x'		<del>                                     </del>	Z x	<del></del>				No. Obs					Mans Mr	al Marrie	th Terrent			
lement (X)	~X'		<del>                                     </del>	- X		X	**		NO. UBS	··	- 0 -		12 E			th Temperati	• 93		Total
el. Hum.			<del> </del>		-						= 0 F		32 F	≥ 67 F	≥ 73 F		* 43	·	. 0191
ry Buib			<del> </del>				<del> </del>					<del></del>			<del> </del>	+	+	-+	
let Bulb			<del> </del>		-+-		<del> </del>								<del> </del>	<del></del>	+	-	
ew Point			1				1	ł		- 1		1			i .	1		1	

USAFETAC FORM 0.26-5 (OL.A) REVISO REVISOR SOFTES OF THIS FORM ARE OSSOURTED.

SE RAE CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** CSAFET4C A . . FATHER SERVICE/MAC TAMSTEIN AS DL STATION NAME - VUV 1503-1740 HOURS ILL 5, T.1 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb <u>- 7</u> 3.5 6.413.510.616.514.613.310.0 6.5 3.5 1.1 .9 .9 .5 .5 .1 Element (X) USAFETAC Rel. Hum. 2427724 810 42427 \*67 F = 73 F = 80 F • 93 F 52.415.964 : 32 F 10 F 3y33751 2752272 69.1 9.164 58.7 5.538 49.6 6.496 817 50.6 55953 Dry Bulb 47002 40187 Wet Bulb 810 2027266

BEVISED FIEWOUS EDITIONS OF THIS FORM ARE OSSOLETE MOSH 0-26-5 (OL A)

SEURAL CLIMATOLOGY BRANCH U AFETAC AT AEATHER SERVICE/MAC

1 .141 RAMSTEIN AS DL STATION NAME

## **PSYCHROMETRIC SUMMARY**

STATION				,	MULIAL	AME								, , , , , ,						• • • •
																	PAGE	1	18 C	
Temp.											SSION (						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25	- 26 27 - 2	8 29 - 30	* 31	D.B./W.B.	ory Bulb	Wet Bulb	Dew F
61 75														7	• 1		1	1		
-/ 93								:					• 1	•1 •	1			3_		
1 9:													• 1	• 5	•	•	5	5		
/ 89∫							L					• 6	• 2			•	7	7		
87 37												. 4					3	3		
67 35			<b>-</b>		<b>.</b>					•	• 1	• 1						2		
47 93										• ?	. 4		i				5	5		
/ 43			·	<u>.</u>	<b>.</b>		L			1.1	·						. 18	18		
1 79									1.4		• 1						21	21		
/ 17								2.3		. 5							4 ^	47		
./ 75							· 1	-	• 2								37	37		
4/ 73				• 1	• 4		2.7	• 7									4.7	<u> 40</u>		
/ 71				• 5	• ġ		1.7		. 4		• 2						4 1	41		
/ 49				1.3		3.0			• 2							<b></b>	69	29		
/ 67		• 1			1	1.4			• 2								44	44	15	
6/ 55			1.9			1.5		. 4	. 1	<u>• 1</u>					+		31	31	63	
47 65		• 9			3.5		1.1	• 9	. 4								121	121	27	
/ 5:					3.5		• 5		• 1	•							77	77	75.	
/ -9	• 2				2.8			• 1									54	54	90	
/ 57					1.6			• 1		•							48	48	100	
/ 55			1.5		l .												46	46	94	
-1-53		• 2					• 1				<u> </u>						19	13	<u> </u>	1
7-51	. 4		1.7			• 1		!		ĺ							50,	23	96	1
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/ 35. 5 / 33:						. 1				1										
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/ 27				:	!	' i	ı	1		ĺ	i ;	1								
lement (X)		Z x'		<u> </u>	Z X		¥	·.		No. Ot	· ·			Meer	No. of H	ours with	h Temperatu	119		_
el. Hum.									$\perp$			10 F	s 32	F	67 F .	73 F	. 80 F	+ 93		Total
ry Bulb									$\mathbb{T}$											
for Bulb									$\perp$											
Dew Point																				

USAFETAC 1084 0.26-5 (OLA) RITHE NETTOUS EDITORS OF THIS FORM ARE OMOUTED

Stieral CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** . IFETAC AT ARATHER SERVICE/MAC 1 14" -AMSTETY AB DL STATION NAME MONTH WET BULB TEMPERATURE DEPRESSION (F)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 231

D.B.W.B. Dry Bulb Wet Bulb Dew Poir ڙ. 11ء 5.610.614.119.314.714.7 9.8 6.3 2.7 1.0 1.1 .5 .6 .1 .1 (OLA) Element (X) No. Obs. Mean No. of Hours with Temperature 58.016.057 66.2 8.471 57.1 5.493 49.9 6.545 USAFETAC 46°59 53653 517 2 - 3 .. 9 9 3 Rel. Hum. = 67 F = 73 F = 80 F = 93 F 10 F ≤ 32 F 3611939 Dry Bulb 810 37.3 20.2 2564231 Wet Bulb 46241 810 1.9 2053462 40438 810

GL. FAL CLIMATOLOGY BRANCH UTBEETAC ATTACHER SERVICE/MAC

1 1 →	RAMSTEIN A	STATION NAME				73-81			E ARS				JUN	
_											PASE	1	21 3-2 HOURS IL, S	7
Temp.						DEPRESSION					TOTAL		TOTAL	
(F)	$0 \xrightarrow{1 \cdot 2} 3 \cdot 4$	5 - 6 7 - 8 9 -	10   11 - 12	13 - 14	15 - 16			3 - 24 25 - 26	27 - 28 29	- 30   2 31	D.B./W.B.	Dry Bulb	Wet Bulb De	
4/ : 1		,			į	•1] •3	?) ,				3	3		
1 7 3				• 1	+	•1	<del>,</del> i				· \frac{1}{2}			
7 / 77				• •	,	• •					7	?		
/ 75		· · · · · · · · · · · · · · · · · · ·	1 •4	• 5	• 1				•			<del>3</del>		
4/ 73			1 1.1								11	11		
7 71		• 13	2 .:								9			-
/ 50		.5 1.4	7	•1							~2.	2 <b>2</b>		
6 / 67	• 6		4								16	16		
€/ 65		<del></del>	1						<b>. </b>		34	34		
4/ 63	•1 3•8 2•1	· · · · · · · · · · · · ·	2							•	123	123	35	
/ 11	·2 ·7 ·3 · 7 •4 ·1 ·2 ·5 ·6		7 • 2 4 • 1								$\frac{\epsilon 7}{99}$	<u> 57</u>	7.3	
1 57	2.5.4.6		1 .1										58	
5 / 55	3.1 2.3		2	<del></del>							$\frac{106}{82}$	1 <u>26</u> 3 2	1 <u>6</u> 179	- · -
4/ 53	.4 1.2 3.5		2								63	63	=	1
77 11	.4 1.5 4.2		1	•							63	63	<del></del>	i
5 / 43	1.2 1.9			_							25	25	97	
/ 47	.2 1.7 .9		1			-					2.9	29	72	
. / 45	.2 1.1	•1 •2				+	<del></del>				14	14		1
4/ 43 2/ 41	•1 •5	• 1		:							6	5	19	
2/41	<u>•1</u>	• 2		++		<del></del>	+		+		<del></del>		· · · · · <del>7</del> · · · ·	
3 / 37						1	1						3	
/ 35	<del></del>	···					·	+	<del></del>	<del></del>	+			-
3 / 33						1	İ	į	1				•	
./ 31			<del></del>	1					-	-	+			
1 35				<u>i                                     </u>					<u> </u>					
1 27		. : ;			Ī	Ĭ.	:							
/ 25 T:	110 017 3 9	26.712.8	9 3						L		<b>+</b>			
	*# T D * A D * * 5	. ⊈0 • /:L	u 2 • /	1.0	• 1	•2	, !		: :	i	613	510	810	C
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Element (X)	£x:	Zz	i T	-		No. Obs.	<del></del>		Mean No.	of Hours -	h Temperatu			_
Rel. Hum.	4578318			13.11	8	Ain	± 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	* 93 F	Total	 o i
Dry Bulb	2:34170			6.68		810			6.4		. 3		+	_
Wet Bulb	2389191			5.53		810			İ		<u> </u>			
Dew Point	2065628	47584	57.1	6.31	. 1	810		1.4	T	1	T	1	1	

SELHAL CLIMATOLOGY BRANCH 3//FETAC A JEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 1 PAMSTEIN AB CL 73-01

STATION STATION NAME

PAGE 1 ALL HOURS (L.S. T.)

Temp.					WET	BUL 8 1	EMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TCTAL	
(F)	0 1-	2 3 4	5 - 6	7 - 8								3 - 24 2	5 - 26	27 - 28 29	. 30: = 31	D.B. W.B.	Dry Bulb		Dew Point
-/ 97				+					1							1	1	···-·	
رد / ع											1	1		•1	•1	11.	11		
	····					•			·			.5	. 1	• I		12	12		
/ 3.	ı								:		• ^.	•1.		• •		24	24		
/ 25						•			•	٠,٦		• 1				16	16	- •	
8/ 57											. 1					1.	10		
(/ 3)		•				•			.3							12	1?		
./ 43								. 1	. 2		• 0					36	36		
				• •		٠	• 1	• 6	-	• 1	<del></del> _					176	1 06		
1 79					. 7	. 1	. 4	. R		. ?	.0					120	127		
7 / 77					• 1	- 5	1.0	• 8		. 7					+-	173	173	•	•
47 75			. ~	• 0		1.3	, 0	• 2		.1	7.					182	1 = 2		
+/ 77		•		• 2				• 3	+				+	+		183	133		
1 7.			1 1	. •6		1.J	•6.	. 4		.3						213	213	1	
/ 59			2 .4			*	• 7	• 2								286	236		
- / 67			-	•	9	-	. 2	. 1								222	222	24	
6/ 65			3 1.	1.1			+	• 1								319	319	263	· ·
4/ 63	• 1			2.0												766	708	476	<u>. ي</u>
/ 31		1 2.4			. 3			• 7							- +	551	551	409	154
1 9	•1.1			-	. 5		.1	•								582	582	553	276
. / 57	. 3 2				• 1		• 1		T .							585	585	746	277
5 / 55		5 2			_											533	5 3 3	794	621
1/ 52		5 2 .	+	•			-		-		-					362	362	795	776
77 51	4 1								i							350	350	602	452
/ 4-		2 1.				•	· +									203	203	542	46
/ 47	3 2				์ •ำ				1						'	221	221		534
1 / 45	• Z Z					· 1	·		+				+			156	156	291	961
4/ 43		8			ı	!	i							:		F 4	34	169	5.15
41		6 .					<del>+</del>		<del></del>						+	66	56	78	348
J 35 3		2	–	: :		: 1	1		! !				į			33	33	5.5	133
7 / 37	• 1	+		+					1							13	13	<u></u>	61
/ 35				.[		i	:		f .		. i			i		6	- 6	22	56
3 / 33	<del></del>			<del>  </del>		<b></b>	<del></del>		<del>                                     </del>							4	<u>u</u>	12	45
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Element (X)	Z X '		$\top$	ž X	$\top$	Ī	•,	$\top$	No. Ob	s.				Mean No.	of Hours wi	th Temperate	174		
Rel. Hum.			1								: 0 F	= 3	12 F	≥ 67 F	≥ 73 F	- 80 F	• 93 (	F 1	orel
Dry Bulb			1									I				1	I		
			<del> </del>														1		
Wet Buib																			

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USAFETAC FORM 0.26-5 (OLA) BENSIO METOUS

SECOND STATION NAME

SERVICE A BOL

STATION STATION NAME

SERVICE ABOL

STATION NAME

STATION NAME

STATION NAME

STATION		STATION NAME					YE	ARS		_	_	MONT
										P 4 5 E	•	ALL HOURS
Temp. (F)	0 1-2 3-4 5				E DEPRESSION 6   17 - 18   19 - 20		- 24: 25 - 26	27 - 28 29	. 30 → 31	TOTAL D.B. W.B. D		OTAL
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/ 25												
2/ 21												-
47 (A) 7 T)	19.121.417	.210.8 8.	<b>र</b> 7. र	5.1 3.	7 2 1 . 9	. 4	. 2 . 3	. 1	. 1		1473	. 5
		12110 30					•••	· · · ·	<u> </u>	5475	1-1-	5478 <sup>. Y</sup>
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Element (X)	2 x2	2 x 441683	42 2	<b>7</b> 4	No. Obs.		T - 55 =			fh Temperatu		
Rel. Hum.	32244496 2484J955	396757	61.1	9.835	6478	2 0 F	1 32 F	≥47 F 178 •6	≥73 F 98 • 5	* 80 F	• 93 F	7 Tot
Dry Bulb	196 3009	353847		6.479	6478		1.2	12.2	70.7	330.	· ·	+
Wet Bulb Dow Point	16112457	320221	10.L	6.613	6479		15.8	16.06	<del> </del>	+	<del> </del>	+
SEW FOIRT	10124771	3-116-1	7	0.043	5 T				1 .		L	

USAFETAC FORM 0-26-5 (OLA) REVISIO REVIDUS EDITIONS OF THIS FORM ARE OLD CETTE

AL PAL CLIMATOLOGY BRANCH AFETAC A' REATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AB OL PASE 1

Temp.					DEPRESSION					TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 8 9 -	10 11 - 12	13 - 14 15 - 16	17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29 -	30 2 31	D.B./W.B. [	ry Buib V	Vet Bulb C	ew Point
7 / 17				. 1						1	1		
1 75	ii				• 1	· ·				1_	1,		
67 7.		•1, •2								3	3		
/ / 7:		1 • 1 • 4	1 .1							. 7	7		
1 59	• "		. 1							14	14		
r / 67		7 •4 •8	2 .1							20.	20		
6/ 65	• 5. • 6	5 1.2 .5	4				<b>,</b>	_	•	2.6	26	12	2
4/ 63	.6 2.5 3.6	6 3 . 7 . 6	. 4		*					99	39	. 22	17
1 +:	.2 2.2 4.4	4 3.2 .5	. 1			•				8.8	8.8	46	16
/ 69	.1 3.5 7.4	4 1 . 8 . 4								111	111	72	36
1 57	4.3 3.9	9 2 4 .8								96	96	114	ა 6
5 / 55	·8 5·6 5·1	3 2 • 5 • 6								124	124	133	<u>87</u>
1/55	.2 3.7 5.	3 1 . 8 . 6					·		•	97	97	107	134
[/ <u>-</u> 1]	.4 3.3 3.8	8, •5, •5,								71	71	36	114
1 2	.2 2.7 1.3	3 • 5								4 3	40	174	35
/ 47		4 • 1								3.2	30	75	8.3
4 / 45	.4 1.1 .4	4								15	15	34	1.4
4/ 43		4			+		:			3	3	13	46
2/ 41	• 1				•					1	1	4	1.6
1 / 1,		· · · · · · · · · · · · · · · · · · ·			<b></b>								3
3 / 37		,			•								7
/ 35					<del></del>								<del>-</del>
3 / 33													1
7:-	1.132.638.0	017.8 6.7 1	. 3 . 2	. 1	•1						337		837
:		1	:		1					937		837	
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F) .48°	2,,	2,		<del> i</del> +	No. Obs.			Mana Ma at	Managaria	h Temperatu			
Element (X) Rel. Hum.	544753	<del></del>	<u>X</u>	10.582	837	± 0 F	± 32 F	#67 F	= 73 F	* 80 F	• 93 F	τ.	otal
Dry Bulb	278634			5.598	837	= 0 F	2 32 7	5.1	.6		- 73 7	<del></del>	<del>93</del>
Wet Bulb	245712			5.033	837			.2	• 0	+	<del> </del>		93
Dew Point					837			• 4		<del> </del>	<del> </del>		93
Dew Point	2212590	6 42787	21 + 1	5.583	531					1	<u>i</u>		7.5

SLIBAL CLIMATOLOGY BRANCH CSAFETAC AT LEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 1+ RAMSTEIN AB DL 73-81 YEARS STATION NAME PAGE 1

7373-7505 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 1 59 • 1 6/ 65 • 1 13 .2 1.2 2.3 2.2 4/ 63 7 • 7 71 24 1 5 1 -1 .6 1.7 3.6 1.4 71 / 59 9.5 95 27 3.8 4.9 2.7 44 • 1 ةة 1 57 .5 5.7. 3.5 1.6 56 • 2 97. / 55 .4 5.6 6.8 2.7 1. 138 133 1.4 110 80 53 .5 4.4 6.9 1.1 4/ 53 117 114 1-7 1.3 4.3 2.7 en\_ 1 3 • 6 . 2 .4 2.9 2.9 53 112 69 .5 5.1 .8 è 5 55 1 47 \_\_• 1 S . 115 77 41 / 45 3.1 . 4 41 114 •<del>4</del>. •<del>8</del> 14.. 14 16 4/ 43 • 5 35 Q 3 31 . / " •2 •1 11 18 13 / 35 3 / 33 •547•736•213•4 3·1 •7 237

:						i	,	ι	1			
Element (X)	2 x'	Zx	X	- <u>-</u> -	No. Obs.	<u> </u>		Meen No. o	f Hours wit	h Temperatu	10	
Rel. Hum.	5777695	69 27	82.51	0.088	8 3 7	10F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	≥ 93 F	Total
Dry Bulb	25441 2	45914	54.9	5.528	837			•8		<u> </u>	1	9
Wet Bulb	2284356	43517	52.0	5.195	837		f			<del> </del> -		9
Dew Point	2077124	41418	49.5	5.746	837		.8				1	9

BEVISED PREVIOUS EDITIONS OF THIS FORM ARE DISCULTE ã õ 0.26.5

\_ USAFETAC

CLUBAL CLIMATOLOGY BRANCH USAFETAC AI WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AS DL 73-81

STATION STATION NAME 73-81

PAGE 1 C623-3832

Temp.						URE DEPRES						TOTAL		TOTAL	
(F)	0 1 2 3	- 4 - 5 - 6	7 - 8 9 - 1	0 11 - 12	13 - 14 15 -	16 17 - 18 1	9 - 20 21 -	22 23 -	24 25 - 26	27 - 28 29 -	30 > 31	D.B. W.B. D	ry Bulb V	Vet Bulb C	ew Par
1 -1						• 1	ļ	1				1	1		
7 / 77				1	1	. 1		- + -	<u> </u>				3_		
c/ 75			•	4	• 1	i	;					4	4		
4/ 77			!	2 .1		.1						5	5_		
17:				4 . 2								1 ^	1 ~		
		.1 .6	6 .	1								12.	;		
/ 67			1.1									17	17	3	
61 5	• • 1	.1 1.9	<u>. •4. •</u>	1	·					<b></b>			35.	_ 11_	2
47 53	•2 2•3 2			4								96	96	32	1.0
/ 1	.4 1.7 4	.4 2.5	. 7									<u> </u>	<u> </u>	5.4	21
/ 59	.4 3.8 9											143	143	75	ے د
/ 57	.4 4.9 4											119	119	102	61
5 / 55	•1 3.9 5	• ? 2 • 5	• 7									103	103	124	117
4/ 53	.2 3.1 4	.5 1.6	• 4				·						51	171.	113
Z/ 51		• 7 • 2	-									5.6	56	113	112
5/4	•1 1 • 4 1		<del></del>									24	24.	94.	5.2
1 47	·1 2·3	.1 .4	,									2.2	22	43	1 : 4
4 / 45	-1 1-2	•1 •1										13	13	29	1 5
4/ 43	•1 •2											3	3	13	47
2/ 41	.2 .5	•1.	·		<del>-</del>							<del>, 7</del>		5	2.2
4 / 3					· i		!							4	1.1
3 / 37					· 	·								1	۶ ۲
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3 / 33				+	<del> </del>					·		<b></b>			1
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1			1	!			j								
Element (X)	2 x'		ZX	Ī	· A	No. Obs.				Mean No. 6	of Hours wit	th Temperatu	r•		
Ref. Hum.	52277	62	65547	78.3	10.813	9.3	7	0 F	≤ 32 F	≥ 67 F	≠ 73 F	≥ 80 F	• 93 F	T	otol
Dry Bulb	28551	91	48639		5.862		7			5 .8	1.4	• 1			<b>y</b> 3
Wet Bulb	24898	33	45449	54.3	5.125	83	7			• 3		Ì			93
	33161	7.0	03074		E EAR	0.7	-			·		<del></del>			9.1

AM 64 0-26-5 (OLA) REVISED MERVIOUS EDITION

FETAC NOW 0.26.5

GLOBAL CLIMATOLOGY BRANCH UNIFETAC AT WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 1+ RAMSTEIN AB DL 73-81

STATION STATION NAME YEARS

PAGE 1 7970-1130
HOURS C. S. T.

Temp.				WET BULB	TEMPER	ATURE	DEPRES	SION (	F)				TOTAL		TOTAL
( <b>F</b> )	0 1-2	3 - 4 5 -	6 7-8	9 - 10   11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25 - 26	27 - 28 29 -	30 ≥ 31	D.8./W.B. C	ry Bulb 1	fer Bulb
/ 3 .			1				1 7		• 1				1	1	
/ 91									· ·	•1 •1			2_	2	
/ 9 -						•	• 2	• 2	• 1	• 1			5	6	
87 87					:	• 1		. 4					4	4	
6/ 35					•	+	• 2	• 1	• 2				5	5	
-1 -3					• 1	. 2		. 1					4	4	
1 :1		:		•				• 5					23	7.7	•
1 79		• 1			1.8	. 4							25	25	
7 / 77			•5	· · · · · · · · · · · · · · · · · · ·		. 4	• 1						34	34	•
1/ 75			2 • 5	1.2 1.2									37	37	1
4/ 77				1.7 1.			•				•		7.9	30	
/ 71		-		1.6 1.6									5.7	5.7	4
7 69	• 1		4 1.6						+			•	57.	53	15
5 / 67			5. 2.4	-			;						45	46	44
6/ 65	. 2		5 1.8									<del></del>	. 5 à	5.3	62
4/ 63		2.4 6.	_										142	142	8.2
7 Ei		2.7 2.				+	+						99	90	93
/ ~9		3.1 2.		.5		:							56	06	112
/ 57		1.7 3.		•1	<del></del>	<del></del>					•		F 3		111
5 / 5		1.4 1.			:								34	34	103
<del>-1/53</del>		1.7			+	+	+		•		•		+ <u>-</u>	- 28	<del></del>
2/ 51	• • • • • •		. 2										• •	3	76
= / 43		• 1			+	<u> </u>	<del></del>				•		<del></del> -	·	33
/ 47	:	• •											•	•	14
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3 / 33		+			<del></del>	<del> </del>	<del> </del>				<del></del>		<del></del>		·
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	• 0 • 0	1401220	JEC 6 UI	7.0 0.07	1000	1.07	+***	103	• • •	• • • • •	<del></del>		837		877
(				i		į			į .			;			<b>.</b>
Element (X)	Z X'		ZX	X	· .		No. Ob		·		Mean No. of	Hours with	h Temperati	70	
Rel. Hum.		2838	5351		13.8			37	2 0 F	s 32 F	≥ 67 F	≥ 73 F	▶ 80 F	► 93 F	
Dry Bulb		8 50	5532		7.8	1		37			37.0	19.7	1	•	1
Wet Bulb		34534	4893		5.3	- 1	-	37			7.1	• 1	1	1	
Dew Point	236	7564	4424	B 52.9	5.8	28	8.	37			.21	1	1	1	1 -

USAFETAC FORM 0.26-5 (OL.A) REVISIO REVIOUS EDITIONS OF THIS FORM ARE ONLOTETE

**PSYCHROMETRIC SUMMARY** 

GL HAL CLIMATOLOGY BRANCH ATT REATHER SERVICE/MAC

AMSTEIN AB DL STATION NAME JUL ...

Temp.		WE	TBULBT	EMPERA	TURE (	DEPRESS	ION (F)						TOTAL		TOTAL	
( <b>F</b> )	0 1-2 3-4 5	-6 7-8 9-10	11 12	13 - 14   15	5 - 16 :1	17 - 18:19	- 20 21	- 22 23	- 24 25	- 26 27 -	28 29 -	30 - 231	D.B. W.B. D	ry Bulb	Wet Bulb (	Dew F
1/	,										6		1 -			
/ 05								. 2			1		11.	11.		
1 91								•1	• 1		1	•	· ==-	3	•	
/ 82						. 1	• 2.	•1.		• 1			•	7		
5/ 27				.1		. 4	. 6	• 1	• !				12	1.7	•	
6/ 80						. 5	. 4	. 4	-				13.	10.		
-/ =:				• ¢	- 6	1.0	. 4	• 2					7.3	23	•	
/ -1		.1 .1 .	1, • 4,	1.1			. 1	• 1	. 1				5.5	5.5		
1 77		•			1.2		. 4						44	44	٠	
7 / 77			4 1 . ?				• 1						39	34		
1/ 75			2 1.7		• 5								5 3	53	;	
1/ 77		.4 1. 1.1	0 2.5	1.4	. 7								- 8	58,	-	
7 7	<del>-</del>	.2 1.1 1.			• 2								± 3	63	: (	
1 69.	. 3	.5 1. 1.	9 . 5	1.7	. 2								40	49	36	
/ 67		.1 1.2 1.	9 2.5	. 4	• ?									5.3	56	
6/ 65	.4 .5 1	1.9 1.7 1.	2 3.5	• 2									63	5.8	91	
4/ 5/	.5 1.3	2.7 2.4 5.	3 1.	• 2									157	10.7	F S	
/ 51	.1 .6 2.5	.8 2.3 1.	2 .5	1									67	67	105	
/ = 9	.1 1.2 1.1 1	l.6 1.6 .	z										Ē ?	<u> </u>	116	-
/ 57	.1 .1 1.1	.1 .6 .	1	i									26	26	98	
/ 55	• 7 • 6	.6 .5											2.2	22	3 2	
47 53	• 2	.1 .4											- 6	6	102	1
7 1	.1			+-				~					1	1	₹5	
/ 40													-	_	13	
/ 47															1.5	
/ 45				-											2	1
4/ 43													•	•	•	_
2/ 41																
1 7 7 7 7					!					<del></del>	-+					
1 37			; 1													
/ 35																-
TAL	.4 3.8 3.7 9	9.414.616.	016.4	12.4	7 • 2,	5 . 3 . 2	2 . 2 . 1	L - 3 <sub>1</sub> 1	.1 1	• 2: •	<b>3</b> ,	1		437		9
										•		,	837		877	-
lement (X)	Z x'	2 2	7	-	<del></del>	No. Obs.	<del></del>				n Ma. of	Hours with	Temperatur			
el. Hum.	7722139	45950		15.44		Q 3 7	, +-	10 F	± 32		67 F	• 73 F	* 80 F	• 93 F		o tal
ry Bulb	4212226	58832		9.14		837	1		-		4 .4	36.1	17.1	7		
er Bulb	3219394	50364		5.450	· 1	837			<del> </del>		1.7	• 3			-	
				7 7 7 3 6		0.57			<del></del>	<del></del>	• • •				- <del></del>	

GLURAL CLIMATOLOGY BRANCH GRAFETAC ATH REATHER SERVICE/MAC

1 14 AMSTEIN AB DL

### **PSYCHROMETRIC SUMMARY**

JUL

STATION			ST	ATION NA	ME								YE	ARS					MOI	NTH
																	PASE	1	1570	- 17 s. 1
Temp.			·		WET	BULB	TEMPE	RATUR	DEPRE	SSION (	F)						TOTAL :		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	D.8. W.B. C	Dry Bulb	Wet Bulb	Dew
-/ 97							*	1		!					- 2		5	2		
51 95							1							1.	_ • 2		1.7	10		
-/ c:						-		-		•	• ?		• 1	• 4			- 5	6		•
1 :: 1										. 1		. 5		• 1			5	5		
/ 34							+	+	. 4	• 6	. 4		• 1				12	12	•	
5/ 37								• 5	1	. 7	.7	• 1					16	16		
1 25								. 4	7	.8	• 4						19	10	•	• •
1 53							5	1.1	1.6	1.1	. 6						41	41		
751		•	•	• ~			. 7	1.9	2.4	. 7	. 4	• 2					_ 4	5,4	•	
1 74					. 5				, a								36	36		
1 77		•		• !		1.1	1.9	2.5	1.2								5.3	5 7	•	-
67 75			. 1:	• 1	1.2	1.1	2.7	1.1									5.3	53		
4/ 73			. 4				1.9			•						•	6 -	ა^*	·	•
/ 71		• 1	• 2	1 . 3	1.1	2.4	1.6	• 6	. 4								64	64	1.3	
1 39		. 4	. 4	•6	1.8	1.5	2.3	• 1									59	50	ે? ક	
/ 67		• 2	• 2	1.4	1.	2.4	. 2	1									4.7	47	69	
6/ 65	• 1	. 7	1.4	1.	• 9	2.4	4	•	•								5.7	57	78	
4/ 63	. 7	1.8	2.9	1.2	5 . 6	5	• 1	i									108	103	95	
7 61	• 1	1.7	1.4	1.7	1.0	2											5.1	<u> 1</u>	121	
/ 59	1.2	1.2	• 8	1.5	. 4	l,		į		_							43	4.3	110	
/ 57	. 2	•6	1.7	• 1	• 1				+								1 7	17	92	•
/ 5	• 5	<u>  • 5</u>	. 6	• 7				i	!	i							19	19		
4/ 53	1	1		• 4				1	1	1							4	4	76	
·/ 51		<u>.</u>						<u>i</u>	<u> </u>	İ						<u></u>		•	32	
14		1						1								,			12	
/ 47		<u> </u>		·			<u> </u>	<u> </u>		i									13.	
/ 45	1			i				į	1	4										1
4/ 43		·	·			1	<del></del>	L	<u> </u>	i								· · •		
2/ 41	:			1		_										. 1				
1 39			<u> </u>			ļ	1	<u> </u>	<u> </u>	<b></b>										
/ 37	ļ	1				<b>k</b>	1		i .					1						
/ 35		,	<u></u>			1		<del>}</del>	<del></del> _	! <del> </del>	أجحا				-	<b></b>				<b>.</b>
Tit	2.9	7 • 3'  -	9.4	10.9	14.2	14.7	14.2	: 9.2 	Z  7∙5 	4.1	2.6	• 8	• 2	1.4	• 5		837	837	837	8
lement (X)	z <sub>x'</sub>	-		EX		X	•,		No. O		<u> </u>			Mean No	o of H	ours with	Temperatu	re		
el. Hum.		7336		437			15.6	1		37	= 0 F	·	32 F	≥ 67 F		73 F	. 80 F	+ 93 1		Tetal
ry Bulb		6730	1	599			9.2			37				59.		47.9	20.2	2	• 3T	
et Bulb		3614		503			5 • 2			37				12.		• 2				
ew Peint	229	J345		435	79	52.	5.8	55	8	37		1		•	.2			i	i	

73-31

USAFETAC FORM 0.26-5 (OL.A) BETTE BETTOUS ENTINONS OF THIS FORM ARE OMNOBER

LIMAL CLIMATOLOGY BRANCH TOFFETAC AL FEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 14.2 AMSTEIN AB DL STATION NAME

1670-2011 PAGE 1

													OURS IL. S. T
Temp.		WE	T BULB T	EMPERAT	URE DEPR	ESSION	(F)				TOTAL		TAL
(F)	0 1 - 2 3 - 4	5 - 6 7 - 8 9 - 10	) :11 - 12 <sup>2</sup> 1	13 - 14 15	- 16 17 - 1	8 19 - 20	21 - 22 2	3 - 24 25 - 26	27 - 28 29 -	30   2 31	D.B./W.B. D	y Bulb We	Bulb Dew f
1/ 25		1			1	ì			٠, د		4	4	
4/ 07	1 1					<u> </u>	<u>;</u>	• 1	?			3	
/ 91				•		-		-	• 1		1	1	
/ 8∋						1: .1	• 2.	• 2. • 1	•1		à	8	
£/ 57					• ? • •	2 . 4	. 4	• 1			1.1	11	
5/ 35					•1	5	• 2.		<b>.</b>		7.	7	•
. / 20				• 6	•1	3 . 2	• 1	• 1			17	17	
_ / +1.			1 . 4	.6 1	. 8 1 .	• 5	1				37	37	
7 79		•	6 .2	1.2 1	. 1	5 . 2	• 1				34	34	
7 / 77		.1 .4 .	1 1 . 3	2.2	. 9	2 . 1			····		44	44	
J/ 75		•1 • •	7 1.7	1.7	. 4						4.2	42	
4/ 77	* -· - <b>-</b>	•6 •1 •	6 2.9	1.4	.2	2					51	. <u>51</u>	- •
17:	• 1	.4 1.1 1.	4 3.5	1.0	• 5	•					5.5	56	9
/ 59	.1 .4	.8 1.3 3.	7. 1.4	1.0	. 4						72	77.	ρε
~ / 67	. 1	•5 1• 1•	4 1.2	. 4	,						38	3 B	u <b>4</b>
6/ 65	• 2 1 • 2	1.8 2.2 1.	6 1.7	. 2	<del>-1</del>				+		74	74	5 <u>8</u>
4/ 57		2.6 2.7 5.		• 2	•						131	131	² 5
/ 51	•7 2.9	1.3 2.5 1.	9 • F								74	74	7.7.6
/ 59	1.7.1.7	1.4 2.5	4 • 1								5.5	5 <b>5</b>	139
/ 57	1.1 1.3	· · · · · · · · · · · · · · · · · · ·	1		<u> </u>	<b>.</b>					34	34	9.2
5 / 55	•7 •6		1	1							2.1	21	°6 1
4/ 53	•2 •2		+		~ <del> </del> -	·					14	14	1 6 1
6/ 51	• 1			ı	1	1	1				1	1	₹6
5 / 6-		·	·			<u> </u>			<u> </u>				10
1 47	,	i i							i				15
<u>4 / 45</u>			++						ļ				<u> </u>
4/ 43	1	' 1	- [			1	1		1				
2/ 41		+		<del></del> -		<del></del>	<del>-</del>		<del> </del>				
4 / 3	*	i l	1	i		ļ			:				
3 / 37		<del> </del>				+							
/ 35		عويد جوادر وما	-la e			1							
TIL	5.111.2	11.915.416.	715.41	10.4	30.	204	1.2	.4 .4	1.0	-+		? 37	<u>8</u>
j			1	1					1		837		837
Element (X)	Z X'	ZX	X	•,	No. C				Meen No. o	f Hours with	Temperatu	•	
Rel. Hum.	3003538			5.598		337	20 F	s 32 F	≥ 67 F	≥ 73 F	# 80 F	+ 93 F	Total
Dry Bulb	4018597			8.459		837		<u> </u>	48.1	28.8	11.9	. 8	+
Wet Bulb	2957172			5.178		37			8 .1				
Dew Point	2315855	43749	52.3	5.90	3	337			•2				i i

I USAFETAC FORM AT 0.26-5 (OL.A) REVIND MEYOUS FORIONS OF THIS FORM ARE OBSCIETE

SUCBAL CLIMATOLOGY BRANCH OF AFETAC A. WEATHER SERVICE/MAC

1 1+	FAMSTEIN AB OL STATION NAME	73-81	YEARS		ال ن Month
				PAGE	1 21 3-0 HOURS IL. S.
Temp.		B TEMPERATURE DEPRESSION		TOTAL	TOTAL
(F)	0 1-2 3-4 5-6 7-8 9-10 11-		<del>                                     </del>	28 29 - 30 - 31 D.B. W.B. D.	y Bulb Wet Bulb Dew
/ -/ -2	1	•1	• 1		?
/ 73	•1	•4 •1	<del> </del>		
7 / 77		2 4 4 1	1	าน์	11
-/ 75		2 •1	<del></del>	$\frac{1}{3}$	$=\frac{2}{13}$
4/ 73	.7 .4 .	5 .4		16	16
1 7		7 •1		5.3	2 ?
/ 69	1.1 .3 1.3 .	<u>1</u>	<del></del>		
6/ 65	•1 1•6 •4 2•2 •4 • •4 1•7 1•2 1•2 •5 •	1		. 9 3	79 13
-/ 53		1 +	······································	144	42 73 144 = 7
1 61	2.2 5.6 3.7 2.7 .2			109	109 69
1 .9	3.6 6.7 2.4 1.1 .1		<del></del>	110	110 95
/ 57	2.0 3.7 3.9 1.2		·	91.	<u>91</u> 158
5 / 85	•4 2.9 3.2 2.2 ·A			79	79 1 1 1
1/ 53	•4 1.6 3.2 1.8 1. •2 1.1 1.9 •1 •1			<u>56</u>	66 172 1
5 / 60	•4: •4 •1				29 3 <b>7</b> 1
/ 47	.1 .4		<del></del>		<del></del>
6 / 45	• 1			1	1 0
4/ 43		······································			3
4/41		<del></del>	·····		
3 / 3 ?					
/ 35		···	+	<del></del>	
TIL	1. 16.732.623.115.9 5.1 2.	2 1 • 1   • 7   • 5   • 1	• 1		337 0
				837	837
<b>—</b>		· ·+ ·		<del></del>	
<b>——</b>			· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del>
L :			1		
					······································
60 (8)	<del></del>		<del> </del>	1 1 1 2	·
Element (X)	Zx' Zx X 4517°+2 61294 73.	7a No. Obs.		in No. of Hours with Temperature  67 F = 73 F := 80 F	> 93 F Total
Dry Bulb		4 6.368 937		7.2 5.4 1.3	- ,,,
Wet Bulb	2675787 47137 56.	3 5. 35 837		1.7	
Dew Point	2321345 43827 57.	4 5.596 837			<del></del>

UELFAL CLIMATOLOGY BRANCH LITTETAC AIR REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

PASE 1

Temp.						WET	BULB T	EMPER	ATURE	DEPRES	SION (F	,					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 1	9 - 20 2	1 - 22 2	3 - 24 2	5 - 26 2	7 - 28   29	- 30  = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
./ 97																	2	2		•
E/ 95													• 3	• 1	• 3	<u>.:</u> :	24	24		
./ 97												• 1		• 1	• 1		~1	21	-	•
/ -1											• C.	. 3	- 1	. 3	• ^		1.2	12		
/ 84										• 1	• 1	• 1	• 1	٠٦			3.3	33		•
8/ 87								•	. 1	• 1	• 3	• 1	• 5.	• 2			43.	4.3		
1,7,35									- 1	• 2	• 2	• 1					41	41		•
<u>/ 51</u>			_					?	3_	. 4	• 2	.1	• C.				<u> 87</u>	87		
/ -1				• ~	• 5	• 7	• 2	. 4	• 3	• 8	• 2	• 1	• 0				171	171		
/ 79			`			• 2	• 1	• 0	• 5	• 3	• 1	• •					142	142		
7 / 77				• 5	• 1	. 2	• 7	• 5	. 6	• 3	• 0		1	-		,	1 9 5	155		
1 75				. 1	. 3	.6	.7	1.0	• 3	• 0.							213.	2 <u>03</u>	2	
67 73				• 2	• -	. 6	1.2	• 7	• 2	• 0							232	? 32	4	
/ 71			• 1.	• 2		<u>. 8</u>	1.4	• 6	. 2	•0							207	<u> </u>	3.5	
1 69		a 3	• 5	• 5	• 9	1.4	• 5	• É	• 1								3.14	3 :4	101	3
1 67		•	• 5	• 3	1.3	• 7	• 9	• 1	. ≎								264	264	231	
E/ 65		• 3	• 3	1.6	1.1	. 7	1.	• 1	·								370	370	<b>3</b> 50	3 4
4/ 55	<u>• 1</u> ,	1.5	2.5	4.7	1.7	2.7	_ • 3	• 1									669	869	464	· · · · · · · · · · · · · · · · · · ·
/ ~ 1	• -	1.3	3.5	2.1		• 7	• 2	• ^									642	542	623	
1 ' 5		2 • 4		1.9		• 2	• •	+					·				603	693	756	45
/ 57		2.4	2.4	2.3	• 6	• 1											532	532	875	5.6
5 / 55.		2 • 6	2.9	1.7	•6			+									540	540	833	•
-/ 53		1.3	2.7	• 9	• 5												456	406	793	-
1/ 51			1.6	. 2	• 3					i							241	241	<u>608</u>	<u> </u>
5 / 47	• 1	. 9	• 7	• 1													125	125	449	
/ 47		1 . 3	• 2	-1			+		<u> </u>		i						. 111.	111.	312	
- / 45	• 2	. 7	• 1	• 1										1	1		73	70	155	
4/ 43	<u>• 1</u> ,	-1,	- 1 - 7		i		<del></del>	+									<u> </u>	<u> </u>	4.5	•
2/ 41 1	• .	• 2			1	1	!	1	i								16	16	24	-
3 / 37	+	• 7	ر • _		<del>-</del>			<del></del>	i	_ <del></del>		+			-+		5	<u>5</u>	18	·
7 35	i	• 4				í	;	1	1					1				2	3	
3 / 33		+						+	$-\dot{+}$		-+	<del>-</del>					+			. 26
3 / 33		- 1	,		,	!	į		i		:	1				i				6
Element (X)	2				Z x	<del></del>	¥		$\dashv$	No. Obs.					dans Mr	of Mouse :::	th Temperatu			<del></del>
Rel. Hum.		X .			- X		X			M4. USS.		10F	T.,	2 F	e 67 F	= 73 F	a 80 F	• 93 f		Total
Dry Bulb			<del>-                                    </del>			-+					+-	- 4 4 7	+ = 3	-	4 9/ F	- /3 -		- 73 (		
Wer Bulb						-+			<del></del>		-+-		+			<del> </del>	<del></del>	+	+	
Dew Point	<del></del>					-			+-				+	<del></del> -		<del> </del>	+	<del> </del>		
													4.							

USAFETAC FORM 0.26-5 (OLA) REVISIO MEVIDUS EDITIONS OF THIS FORM ARE DISCUSSES

GLIBAL CLIMATOLOGY BRANCH USAFETAC A1 FEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

STATION	SAMSTEIN AB OL STATION NAME									73-61 YEARS									-	- JLL			
																				PASE	~	HOURS	LL u.s. r
Temp.								WE	ET BU	LB 1	EMPER	ATUR	E DEPRES	SION (	F)					TOTAL		TOTAL	
(F)	0	1 - 2	1 3	- 4	5 - 6	5	7 - 8	9 - 1	0 11	. 12	13 - 14	15 - 10	6 17 - 18 1	9 - 20	21 - 22 2	3 - 24 2	25 - 26	27 - 28 29	. 30 = 31	D.B./W.B.	ry Bulb	Wet Bulb	Dew !
T12	•	16.	923	5 • n	15.	21	·^	Ε.	9.7	• 3	5.€	3 • 1	1 2.2	1.2	• 7	• 7	• 2	. 4	• 1		66.46		ა 5
		<b></b>											<del></del>		i					56°6		é <b>é</b> 6	
1																							
					· ·			+							<del></del>			·					• -
		·	+								h		· · · · · · · · · · · · · · · · · · ·		•					<u> </u>			•
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<del></del>			-			<del>-                                    </del>			<del>-i-</del>				+			<del></del>				<del></del>			-
i			1			1					1		1						!				
ement (X)		z <sub>x</sub> ,			<del>                                     </del>	2	<u> </u>	<del>'  </del>	¥	-	· ·	T	No. Obs	. 1				Mean No	of Hours -	ish Temperatu	70		
el. Hum.		32 ñ	787	745			544	77		. 9	17.42	22	669		1 0 F	7,	32 F	≥ 67 F	≥ 73 F	- 80 F	93 1		Total
y Bulb		276			<b></b>		257		63	.6	9.56	6	669			+		229.2			5		,
et Bulb		21 á					331		56	• 3	5.95	2	669	6		1		41.6			<del> </del>		7
ew Point		181				-3	45	उद	51	-7	5.84	7	669			+	1.0	.8	<b>L</b>		+		7

USAFETAC NOW 0.26-5 (OLA)

AT .EATHER SERVICE/MAC 1 14 RAMSTEIN AB DL STATION NAME WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL : 0 1 - 2 - 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Buib Wer Buib Dew Pol (F) •1 •1 1 69 •1 •1 •1 / 67 .7 .5 •6 •4 6/ 05 .4 1.3 41 63 2.5 3.7 2.9 86 21 51 .9 2.6 5.5 4.1 1. 118 118 .2 3.9 7.7 1.9 .6 107 107 / 57 .5 5.6 6.1 1.3 .4 / 55 6.6, 5.6 121 91 136 55 173. 4/ 53 • 5 1.3 3.8 5.7 ÷1 .5 1.8 4.1 / 51 5 5\_ .6. 1.8 1.7 • 1 37 19 1 47 .1 1.6 .5 .7 1.7 2: 21 4/ 43 27 41 • 1 4 / 33 3 / 37 ' / 35 3 / 33 · /

No. Obs.

837

837

837

837

10+

s 32 F

81.910.137

57.1 5.495

54.0 5.068 51.5 5.602

68562

47788

45195

43084

**PSYCHROMETRIC SUMMARY** 

AU3

62

136

32

<u>837</u> 837

Mean No. of Hours with Temperature

2.6

64

16.

11

93

93

JETRAL CLIMATOLOGY BRANCH

CHEETAC

₹ ó

Element (X)

Rel. Hum.

Wer Bulb

Dew Paint

5702094

2753670

2461841

2243954

SU BAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** STATETAC A: "EATHER SERVICE/MAC RAMSTEIN AB DL 73-51 \_\_ AUS 1310-3500 HOURS IC. 5, T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | e 31 D.B. W.B. Dry Bulb Wer Bulb Dew Port 1 59 17 1 67 t/ 3" 4/ 63 53 74 27 53  $\frac{1}{7}$ . 1.9 4.3 1.3 1 61 15 • 6 74 3.8 5.4 1.3 .1 6.9 4.7 1.7 59 49. 97 30 110 113 99 46 .6 4.5 6.5 .6. 1.6 3.3 4.1 .1 4/ 57 104 110 76 76 1 9 11.0 1 51 2.4 3.7 4.8 91 91 124 1 4 3.9 2.3 ٦ ع 98 1. 67 / 47 .6 3.3 1.1 75 44 44 99 • 1 3.3 1.8 5.5 55 49 117 6 1.6 .5 4/ 43 24 3.2 5. 24 . 1 41 ø 9 74 1.1 .4 ş 17 • 2 7 / 15 / 35 3 / 53 / ?7 25 TAL 1 .540.139.5

No. Obs.

837

837

337

837

10F

≤ 32 F

1.6

267 F 273 F 280 F

93

33

93

7<u>0483</u>

45523

43397

41537

84.2 9.635

54.4 6.0 2

51.8 5.728

49.6 6.275

6 13725

2116676

2277493

2-93547

THIS FORM ARE DESOLETE EDITIONS OF MENOUS ₹ 0

3 3 USAFETAC

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

DE FAE CEIMATOLOGY PRANCH DIYYETAC A - REATHER SERVICE/MAC

1 14 MASTEIN AB DL STATION NAME

											HOURS (L.	
Temp.	0 1.2 3.4 5.	WE	T BULB TEMPERATU 0 11 - 12 13 - 14 15 -	RE DEPRESSION	(F)	24.25.26	27 20 20	30: - 31	TOTAL D.B. 7		TOTAL	) P
1 75	0 1.2 3.4 3.		7	10 17 - 10 17 - 20	7 21 - 22 23	- 24:23 - 20	27 . 26 27 .	30: 431		.,		
4/ 73		• 1.	**	1 1	+				î	î		
<del></del>			1 • !		- <del>-</del>				+		•	
/ 69:		a, 4)	• ••;		,				Š	Ś		
. / 67	.4		1		+				9	9		
6/ 65	•2 •5 1		•						17	17	4	
4/ 55		.1 .8 .	5						95	96	12	
_ / -1.	.5, 2.3, 5.8, 3	. 5 5.	+- •						106	1 )6.	49	
1 9	.5 3.4 7.8 1		1						120	127	73	
/ 57	.6 5.2 5.9 1	.4 .1 .	1						111	111	110	
5 / 55	.4 4.8 5.6 1	• 7	•						104	174	140	•
47 53.		.8 .1					<b>-</b>		69	<u> 59.</u>	118	1.
2/ 51	•3 3•3 3•3	• 1							5 <b>5</b>	55	194	1.
<u>~ / 4′.</u>	.5 1.8 1.9		·				· · · -		35	35	77_	
/ 47		• 1							31	31	58	
4 / 45		•1 •2	·	<del></del>					38	38		_
4/ 43		• 1							11	11	15	
2/ 41	.2 .8 .1		<del></del>					- +	10	17	. <u> </u>	
- / 7.	•1 •5 •2	• 1							. 8 . 2	8	8 7	
7 / 57	•1, •1,		<del></del>	<del></del>	<del></del>				<u> </u>	2	;-	
3 / 33	• 1								1	1	3	
2/ 31				<del></del>								_
1 27				1								
TAL	5.033.839.714	.9 4.3 1.	1 • 4	<del></del>	1				<b>.</b>	535.		. 8
		;	,						534		834	
				<del></del>	<del></del>				· ·			
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	<del></del>			+			<del></del>		<b>+</b>			-
	*				: ;		1	:				
<del></del>			+	<del>+</del>	+ - + -				<del></del>			
	i				<u>. 1</u>		i_	i	1			
Element (X)	Σχ'	ZX	Ž "A	No. Obs.			Meen No. o	Hours wif	h Temperatu	**		
Rel. Hum.	56313:5	68 01	81.510.207	834	2 0 F	: 32 F	≥ 67 F	≠ 73 F	- 80 F	▶ 93 F	T	0101
Dry Bulb	2698688	47197	56.5 6.170	8 3 5			2.3	• 2				
Wet Bulb	2400512	44506	53.4 5.530	834								
Dew Point	2177442	42332	50.8 5.876	834		1.0						

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI "REATHER SERVICE/MAC

STATION	PAMSTEIN AB	DL STATION NAME			73-81		ve	ARS				AU MONT	
										PASE	ŧ	7974- HOURS IL.	
Temp.					RE DEPRESSION					TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4	5 - 6   7 - 8   9 - 1	0 11 - 12	13 - 14 15 -	16 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 - 3	10 + 31	D.B. W.B. D	ry Bulb	Ver Bulb D	e F
57 87	:	1			• 1	1 .				1	1		
-:/ ::.				·	2	<del> </del>		•		. 3.	3		
- 47 ~3. - 7 ~1]			,	•1	.2	I				17	17		
<del></del>			<del>7 • 1</del>		3 • 4					14	14	·· - <b>•</b>	
7 / 77		.1 .	5 1.8		6 .4					35	35		
5/ 75			5 2.7		1			·		37	37		
4/ 75	•1.	.7 .7 1.	7, 2.2	. 9						5.2	5.2		
7 7;	. 4	.7 1.4 1.		7 .	1	• — . •				51	51	•	
1 +0	•6	.7 2.9 3.				···		• • • • •	·	7.0	7.0	9	
1 67		1.6 2.3 1.								5.9	59	38	
6/6 <sup>5</sup> .		4.3 2.8 1.							-	, 8 <u>9</u> .	<del>? ]</del> .	55_	
4/ 63		3.3 4.1 2.			•					163	164	9.2	
<u> </u>	1.4 2.9	3.5 1.5 1.	$\frac{1}{4}$ . • 1			<del>-</del>				9 <u>7</u> 67	<u>۹.</u> ٦. 57	120. 151	
1 57			2							44	44	130	
5 / 55+		1.1		·				• • •	. • · -	~ - <del>22</del> -	28	101	1
4/ 53	.5	.2 .1	•	4						7	7	79	î
1/ 51		•1						• • • • • • • • • • • • • • • • • • • •	<b>-</b> - · ·	2		32	1
t / 4	• 2	• 1			i i					3.	3	19	
/ 47								• •		<b>*</b>		6	
4 / 45.				<del></del>		·			_			÷.	
4/ 43						t.						1	
2/ 41				·		<del></del>				<b></b>	•		
1 / 37	1				ì								
/ 35			+	+	<del></del>	<del></del>		···		<b>∔</b> · · · · · · · - <b>+</b>	-	•	
3 / 33					1 1	:							
111	·F 6.317.62	4.318.214.	4 9.1	5.7 2	3 1.2 .2	<b></b>		<del></del>		<del>+</del>	937	•	
			_					L	<b>_</b>	835		835	
			ĺ										•
	<del></del>			<del> </del>					<del></del>	++			-
		1	i	! !	1	;				1			
Element (X)	2x2	Z <sub>X</sub>	<u> </u>	-	No. Obs.	<u> </u>		Mean No. of	Hours wil	h Temperatu	70		
Rei. Hum.	3724343	74631		13.413	835	10 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	+ 93 F	Te	t a l
Dry Bulb	3712765	55461		6.664	837				18.7	3.5			
Wer Bulb	2928674	493 14		4.563	835			5.2		İ			
Dew Point	2435457	44897	53.8	5.153	8 3 5			• •					

USAFETAC FORM 0.26-5 (OLA)

: <b>L</b>	4		Δ	L		٥L	I	1 4	TOL	0 G	Y	8 :	2 4 1	N C F
	;	۴	Ļ	T	A	С								
<b>A</b>				£	A	TH	E	>	SER	۷I	CE	/	44 (	:

### **PSYCHROMETRIC SUMMARY**

PASE 1

Temp.								ATURE								TOTAL		TOTAL	
(F)	0 1 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29 -	30 2 31	D.B./W.B.	ry Bulb	Wet Buib	Dew Poi
/ 21		· ·- ·	+			•					-		• 1	•		1	1		
/ 91									1		1	• 2.	• •			5			
/ 8								+	<del></del>	• 2	. 5	• 1				7	7	·	
6/ 47										. 6		• •				9	9		
c/ *5		•						. 4	• 1			.1		<del></del>		0	•		
1/ 33							• 2		1.7			• •				26	26		
/ %)					- 1	1.7		1.6		• 7						5.9	59		
/ 72								2.5		.7						55	5.5		
7 / 17		•		-		1.1										6.7	80	•	
11 75				1 . 7		1.8		• 6						•		5 <b>7</b>	5 <b>7</b>		
4/ 73		• 1	• 5	• 6		3.0		• 6	• 2			<u>-</u>		•	<del></del>	66	66		-
/ 71	. 1				-	2.2										62	5.7	4	
7 59	• 1		1.7					+	<del>•</del>							96	86	31	
( / 67		. 4		1.7			.1		1							43	43	63	
6/ 65			1.8			1.3		+			•			*		5.8	5.8	8)	
4/ 67	• 7	2.0	3.3	2.6	3.0	1.0	• 2	i	:							108	138	131	3
./ 61	1.	1.7	1.7	• 6	1.7	. 4		+						·		5.2	5.2	135	4
1 = 9	. 7	1.7	• 2.	• 5	.6			1								3.1	31	137	7
1 57	. 7	1.7	. 4						:							17	17	97	ö
5 / 55	• 2	1	• 2		. 4			1	į		ί.					8	8	73	13
4/ 53				-		ĺ		i				•						51	12
2/ 51								i	!	i	i .	1						21	9
5 / 4 -											,	-						12	7
/ 47		,				i					<u> </u>								- 6
4 / 45		•	•			-												3	5
4/ 43		<b></b>										i							2
2/ 41													1						1
- / 20		•														<b></b>			
3 / 37	1			i	i						:				,				
/ 35		·	·												···	<u> </u>			
TAL	3.6	7.1	13.9	11.8	15.6	15.8	12.6	10.2	6.6	3.1	1.2	• 5	• 1				836		83
i											1					836		836	
1														!		i :			
			<u> </u>					L		Щ,						بلــــــــــــــــــــــــــــــــــــ			
Element (X)	Z <sub>X</sub> ,			X		X	*,		No. Ob						f Hours with				
Rel. Hum.		3947		456		54.6				36	: 0 F	1 5	32 F	≥ 67 F	≥ 73 F	80 F	≥ 93 F	<del>+</del> -	Tetal .
Dry Bulb		2041		596		71.3				36		-		62.5	41.3	16.4	<u> </u>	1	9
Wer Bulb	<u>-</u>	7402		507:		60.7				36				10.6		ļ	<b>_</b>		9 :
Dew Point	238	7079		4442	۷ 7	53.1	5.5	93	8	36				. 3		L	L		9 :

GLOBAL CLIMATOLOGY BRANCH . AFETAC AL: LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 + '	RAMSTEI		STATION N	AME				73-	91			YE	ARS						US NTH
																PAGE	1	1570	
Temp.				WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL :		TOTAL	
(F)	0 1 - 2	3 - 4 5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	D.B./W.B. D	bry Bulb	Wet Bulb	Dew Po
6/ 95	1			Į.		•			1		• 1	• 1	Ţ			آ ۽	2		
/ / / 7				•		•					• 1					1	1		
/ 9:									:	•1,		• 1				4	4		
/ 89				•		·			. 2	<del></del>	<u>.1</u>					13.	1.5		
87 87							• 1		. 1.0	• 8		• 1				17	17		
t/ 85			<u></u>	•			<u>• 1</u>		1.1			•1				29	<u>18</u>		
(4/ °5) - / 51	,							1.2		•1	. 1					5 2	62		
7 79			-i	·7		- <del>• ?</del>				• 3	• 1		<u>-</u>			67	67		•
7 7 7 7				. 4		2.7										77	77		
F/ 75	<del></del>		1 .4			3.1	• 2				+	· · · · · · · ·				64	64		·
4/ 73		:				1.0	. 6	• -	• •							55	55		
/ 71			2 • 3			1.6	. 7		<del></del>	+		<del>-</del>				51	31	4	•
/ 59	•1		5: • E													e 1	31	25	
1 67		. 4	1.8		1.3											47	47	72	*
6/ 65		.2 1.	1 1.0	1.0	1.0	2	:									37	37	79	
4/ 63	• 5	1.2 3.	51 2.4	2.7	1.3	. 4		+	•							102	1 32	118	2
/ 61	1 • 2	1.9 .	4 • 2	• 8	• 6		: 	<u> </u>								45	45	145	3
/ 59	• 5	1.3	7 • 1													19	19	156	6
/ 57	• 5	.5 .1			+		L		<b></b>							13	13	94	1_
5 / 55	• 1	•1 •	T.,	• 2				į	1	1						5	5	67	1 7.
4/ 53		+	• 1	•——		<b></b>	ļ	· 	<b></b>			<del></del>				1_	1	44	1 -
./ 51								ļ	ı									16	1.2
- / 47			+	<del></del>		·		<del></del> -	<b></b>									11	- <u>6</u>
- / 45	1		i	1				i			,							3	7
4/ 43	<del>+</del>		+	<u> </u>		<del> </del>		<del> </del>		<del> +</del>	<del></del>	<del>-</del>							• '2
2/ 41	1			!				1					j						1
1 3 +			<del></del> -		+	<del> </del>		<del> </del>	<del> </del>			+				<del></del>			
3 / 37				1		į		1	!	!		,							
1 35				<del></del>	<del> </del>	!		<u> </u>				+				+			•
JAL :	3.0	5.5 8.	6 9.7	15.1	15.5	14.0	9.4	8.5	6.1	2.4	. 8	. 5	j				237		9.3
			1		!					,						837		837	
Element (X)	Σg'		Σχ	<del>' T</del>	X	•		No. OI	. 1				Mean No	. of He	urs wid	Temperatu			
Rel. Hum.	2430		433			15.0	1 _		37	± 0 F		32 F	= 67 F		73 F	- 80 F	- 93 1		Total
Dry Bulb	4457		577	1		7.9			37		$\perp$		68.		45.1	2.0		• 3	9
Wet Buib	3120		579	- 6		4.5	1		37		$\Box$		11				1		ç
Dew Paint	2345	3 3 3	44.)	73	57.7	5.4	791	A	37					17		1		1	9

PSYCHROMETRIC SUMMARY

AUG MONTH

TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B.-W.S. Dry Bulb 1 91 . 1 / 8c 9/ 07 14 .8 . 4 <u>.</u> 9. .1 .1 . 8 26 • 6 . 1 26 8 1 2 2 5 8 1 2 2 5 1.3 • 6 61. 5.1 51 • 5 4/ 73 .5 1.2 1.4 2.3 1.7 .2 .8 2.: 1.6 2.3 1.2 .7 .7 2.3 2.6 1.1 1.1 .6 1.: 2.2 1.8 1.8 .2 F 9 69 • I 7<u>2.</u> 65 72. 1 69 • 2 5.5 - / 67 46 68 6/ 65 1.4 2.3 2.5 1.1 .6 5.8 .8 1.5 5.9 3.6 2.6 6.3 128 175 71 123 42 .8 3.7 2.3 1.7 7.1 . 6 1 59 • 2 2 • 5 1 • 1 • a . 6 45 1 - 1 6 f .5 1.3 1.1 .4 .4 1.3 .6 .1 27 171 27 97 1 57 . 6 5 / 55 • 1 18 18 ê **7** 123 4/ 53 56 10 116 .5 .5 .1 3.3 2/ 51 154 5 / 4-66 : 0 4 / 45 12 21 4/ 43 23 2 / 72 1 3 / 35 337 -- 3.612.416.818.214.211.111.6 4.5 3.6 2.3 837 Mean No. of Hours with Temperature Element (X) 60.015.316 50193 837 2 67 F 2 73 F 2 80 F Rel. Hum. 3206680 4 0 F 1 32 F 3972535 57329 837 51.4 28.6 93 49879 59.6 4.634 2990369 837 6.4 93 Wet Bulb 2389277 44477 53.1 5.559

73-31

DETHAL CLIMATOLOGY BRANCH

1 14" RAMSTEIN AB OL STATION NAME

AT - SENTHER SERVICE/MAC

CATETAC

GECHAL CLIMATOLOGY RRANCH URAFETAC A1 EATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 1-1 PAMSTEIN AR DL 73-61

STATION STATION NAME

PAGE 1 21 10-13 C NOURS LS: 1

Temp.					E DEPRESSION					TOTAL		TOTAL
( <b>F</b> )	0 1.2 3.4 5.	6 7 - 8 9 - 10	0 11 - 12	13 - 14 (15 - 1	6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30: * 31	D.B. W.B. C	Dry Bulb V	fer Bulk Den Po
7 / 77				. 4					·	3	₹	
5/ 75			1 . 1	· · •	1					4	4.	
47 73		• • •	2 • 1							5	6	
/ 71		<u>1 • t • • • • • • • • • • • • • • • • • </u>				<b>.</b>		<u> </u>		_ 12_	1.2	
= / £9°	.6.1	6 1.2 1.	• !							7.7	3.7	
/ 67		7 1.7		<u>• 1</u>						41	41	3
6/ 55	.6 2.2 3.	-								5.7	67	15
4/ 53		8 1.7 1.								163	163	58. <u>2</u>
e/ t1	.! 1.8 5.4 3.	7.72	-							102	1 72	76
/ [9	.2 3.9 8.2 3.		1			<b>.</b> ·				149	149	1,24 7
/ 57	.2 2.6 4.4 2.									5.3	8.3	178 79
5 / 5	6 3.3 2.5 1.									<del>6 9</del> .	63	173 13
° 1 5 5	.5 1.2 1.9 1.	-								41	41	116 14
<u>- (                                   </u>	1 1 3 1 4					<b></b>			+	11	27.	6 1
/ 47	•1 •6 •6	,									11	45 56
6 / 45	•1 •5 •5	1								<u>1 1</u>	$-\frac{11}{11}$	
4/43	*3 *5: *3 *	. 4								: 1	11	12 5: 5 2:
1/4.			- • <del></del>		·	·				•		4 <u>1</u>
1 / 3	• i		!							1	1	-
<del>- / 3</del>			<del></del>	·								•
/ 35	1											1
3 / 73		_+			<del></del>						•	
/ /												:
া ক্ষ্ম	19.632.528	413.3 4.	7 1.1	-5	1						3 7 7	्राप्त विकास के जाता के जाता के जाता के जाता के किए के किए किए किए किए किए किए किए किए किए किए
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		Ţ					·- <del>-</del>		i			
	<del></del>				ـــبـــ	<del>,</del>				-		
Element (X)	Z X'	2 x	X 0	73 750	No. Obs.		<del></del>			Temperatu		
Rel. Hum.	4 26869 31 5676	6351 ° 50778		5.592	837	= 0 F	± 32 F	2 67 F	273 F	▶ 80 F	≥ 93 F	Total
Dry Bulb	2665917	47 71	1	4.736	837		<del> </del>	•3		<del></del>	+	
Wet Bulb	2352984	44158	52.8		837			• 3		<del> </del>	<del></del>	<del>-</del>
Dew Paint	2352754	44128	32.8	5.282	63/		• 1					<u> </u>

USAFETAC 1044 0.26-5 (OLA) BEVISE REV

THIS FORM ARE OBSOLETE MINISTO MENIOUS EDITIONS OF 0.26-5 (OL A) § \$ USAFETAC

/ 35 3 / 3

./ 31

Element (X)

Rel. Hum. Dry Bulb Wet Buib

CEL AL CLIMATOLOUY BRANCH LEATHER SERVICE/MAC

1 1 - FAMSTEIN AB DL STATION NAME

<b>PSYCH</b>	ROMETRIC	CSUMMARY

ALL HOURS ... S WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14.15.16 17.18 19.20 21.22 23.24.25.26 27.28 29.30 = 31 D.B. W.B. Dry Bulb ٠. 5 · 87 • 3 • 5 • 7. / 70 / 77 / 75 • 1 52 162 • 9 25: .5 .? .7 1.2 714 1 • 6 . 2 • 1 214 243 24.4 • 6 261 4 1. 1.2 • 1 281 • 1 11 3: 9 • 7 359 75. . 4 7.7 275 221 . / 67 • 1 1.3 372 373. 3 7 1.5 1.3 1 = 2.5 2 • -1.7 . 4 143 15 4.3 898 531 653 235 453 747 1.6 3.7 2.5 • 6 638 1 - 9 c 3.7 45. 2.2 4.6 1.5 • 2 638 / £7 5 / 55 .3 2.9 3.3 1.3 . 1 529 529 642 400. • 1 456 927 455 2.6 2.8 • 3 • 1 643 .4 1.2 1.7 .7 .1 .3 1.7 .8 4/ 53 .5 1.5 1.9 295. 232 7.19. 987 295 496 9 6 573 232 • ? 145 146 346 • 3 107 107 219 575 . / 47 • 1 1. 125. 137. . 3 . 9 125 5 à 🗅 72 327 • 4 • 2 47 -4/ 43 • 1 • 1 155 57 41 24 2/ 41 •1, •2, 24 56. 25 1 34 23 23 • 1. • 1 • 2 • 3 7. 37

± 32 F

4 0 F

Mean No. of Hours with Temperature

1

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** A. - WEATHER SERVICE/MAC STATION STATION STATION NAME PAGE ? WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30; e 31 D.B./W.B. Dry Bulb Wer Bulb Dew Poir / 25 2/ 21 3.417.824.515.6 9.8 8.5 6.8 5.5 3.3 2.5 1.5 .5 6693 6695 MINISTER PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE 0.26-5 (OL A) No. Obs. ₹ 60.417.656 Element (X) Mean No. of Hours with Temperature Rel. Hum. 34319321 464375 10F 236.9 134.8 48.7 . ≤ 32 F 744 275 19785 424413 63.4 9.446 6693 Dry Bulb 21942739 381 :57 57.0 5.965 6690 34.1 744 Wet Bulb 348971 52.2 5.763 744 18425529 Dew Point

1 USAFETAC FORM 0.26-5 (OL.A) REVISIO REVISIO REFINORS OF THIS FORM ARE OMOUTHE

GLIFAL CLIMATOLOGY BRANCH INFETAC AT REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 4	PAMST	EIN A	B DL	TATION NA				7	3-01			YEARS					SE MON	Ρ
3141104			31	A	ME							TEARS			5.455			
				_											PAGE	1	SUCE-	5.
Temp.							TEMPERAT								TOTAL		TOTAL	
(F)	0 1	2 3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 15 -	- 16 17	- 18 19 - 2	0 21 - 22	23 - 24 25	- 26 27 - 2	8 29 -	30 = 31	D.B./W.B. 0	ry Bulb	Wet Buib	Dew F
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/ 57		5 2.1					100	;							74	74	63	
5 / 55		3 2.6		1	i					·		_+	4		92	92		
4/ 33	1.5 4.							7							9.0	90		4
2/ 51	<u> </u>			·			·						<del>-                                    </del>		75	75		
5 / 40	1.1 4.							:				:			75	75	55	
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4 / 45	2.1 6.								•						91	91	73	14
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Element (X)	z,			z <sub>X</sub>		X	T <sub>R</sub>	<del></del>	o. Obs.	Ι		Mean	No. of	Hours w	th Temperatu	•		
Rel. Hum.		25727		687			10.688		810	101	F ± 32	F .6	7 F	≥ 73 F	- 80 F	. 93 (	T	fotel
	3.5	252284	1	4239	92 5	52.3	6.451		810				.3					
Dry Bulb			L															
Dry Bulb Fer Bulb	20	43427		404 386			5.811		810	1		• 2				L		

GL-BAL CLIMATOLOGY BRANCH USAFETAC A\*- \*EATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

STATION	RAMSTEIN AB	STATION HAME			73-31		YE	ARS				S E	
										PAGE	1	C307-	
Temp.					RE DEPRESSION					TOTAL		TOTAL	
(F)	0 1 - 2 3 - 4 5	6 7-8 9-1	0 11 - 12	13 - 14 15 - 1	16 17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 = 31	D.B.W.B. D	ry Bulb	Wet Bulb	Dew P
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/ =9		•5					i	,		69	69	21	1
1 57	.6 3.5 1.7 1					+				64	64		î
5 / 55		• 3								93	90	55	4
<b>→/</b> 53	3 3. 2.2 1		+ -	*	<b></b>					59	69	96	
2/ 51		• 1								84	84	99	5
/ 1.	1.4 4.4 2.3									66	66	103	
/ 47	2.1 5.6 .7									6.5	68	92	3
4 / 45	7.2 6.8 3.3					,				100	150	76	13
4/ 43	1.7 3.6 2.7							·		6.5	5 ع	<u> 62</u>	7
2/ 41	2. 2.7 .4									35	3.5	6.5	٥
" / 3	.9 1.6 .9					····				27	27	38	
3 / 37	.9 1.7 .1									16	16	23	3
/ 75	.2 .7 .9			·						15	15	$\frac{17}{5}$	2
3 / 33	•1 •4									4	4	15	1
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Element (X)	Ex*	Ex	<u> </u>	•	No. Obs.	<del></del>		Heen No. o	Maura =11	h Temperatu	7.0		
Rel. Hum.	6 /45628	69697		10.530	810	20#	: 32 F	≥ 67 F	≥ 73 F	- 80 F	• 93	F ( 1	otal
Dry Bulb	2.43394	47812		6.770	810	<del>  •••</del>	† - <del></del>	.6		<del></del>		·	9
Wet Bulb	1915511	39.67		6.218	810	<del> </del>	• 3			<del> </del>	<del> </del>		9
	1764896	37442		6.497	810		2.6	. ,			t .	1	9

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BM 0-26-5 (OL.A) BEVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GE BAE CLIMATOLOGY BRANCH USSSETAC

AT REATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 1+ RAMSTEIN AB DL 73-51 SEP MONTH

STATION STATION HAME 73-51 YEARS PAGE 1 0670-9800

0670-0860 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 1 39 1 .7 .5 .1 1.2 1.4 1.2 .1 12 4/ 63: 12 32 = 9 .9 2.2 3.6 1.9 05 26 . 1 55 15 / 57 <u>23</u> 33 .1 3.8 3.7 1.9 72 72 1 55 .7. 4.1. 3. 2.5 83 71 3 2.8 3.6 3.5 1.5 4/ 53 2/ 51 1.4 4.2 4.8 8 8 88 83 60 5 / 4 4.3 1.7 71 1 47 2.3 5.9 1.4 78 100 4 / 45 1.4 6.3 3.2 88 4/ 43 .9 2.8 1.2 40 47 5.5 71 1. 2.3 .6 48 29 29 72 ; <del>/ र</del>-.7 2.2 26 29 29 : / 35 .6 .4 .6 13 13 14 21 3 / 33 12 4/ 31 15.944.029.010.2 1.0 81C No. Obs. Element (X) 85.410.136 51.0 6.668 Rel. Hum. 59863 19 69149 810 2144311 41325 810 Dry Bulb 90 • 3 48.8 6.095 46.7 6.345 Wer Bulb 1955894 39496 810 90 1795634 90

AC 108 0.26-5

GLCBAL CLIMATOLOGY BRANCH \_SAFETAC A:- REATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

WET  1.2 3.4 5.6 7.8 9.10  .1 .4 .5: .6 .1 .9 .4 .4 1.1 .5 1.1 .5 .6 1.1 1.1 .1 .6 1.5 1.1 .5 1.7 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7 2.0 4.8 4.7 3.: 1.2 2.1 5.1 .4 .2 3. 2.7 4.8 4.7 3.:	1 1 2 1 2 2 2 2 2 2 2 1 1			26 27 - 28 29 - 30   = 31	PAGE 1  TOTAL D.B. W.B. Dry Bulb  1 1 6 6 6 4 4 4 13 17 17 17 27 27 30 33 31 18 118 86 86	• · · · · · · · · · · · · · · · · ·
1-2 3-4 5-6 7-8 9-10  -1  -5 6  -1  -5 6 1-1 1-1  -1  -6 1-5 1-1  -5 3-2 5-1 3- 2-1  2-2 2-7 2-1 2-3  -7  -7  -7  -7  -7  -7  -7  -7  -7	11 - 12   13 - 14   15 - 1			26 27 - 28 29 - 30   = 31	1 1 6 6 6 4 4 4 12 17 17 27 27 27 33 32 116 118	Wet Bulb D
.1 .5 .6 .1 .9 .4 .4 1.3 .5 1.1 .5 .6 1.1 1.1 .1 .6 1.5 1.1 .5 1.3 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7	1 1 2 1 2 2 2 2 2 2 2 1 1	6 17 - 18 19 - 20	21 - 22 23 - 24 25 -	26 27 - 28 29 - 30 + 31	1 1 6 6 6 4 4 4 12 17 17 17 27 27 27 30 30 30 33 116 118	• •
.5 .6 .1 .9 .4 .4 1.1 .5 1.1 .5 .6 1.1 1.1 .1 .6 1.5 1.1 .5 1.7 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7	• 4 • 2 • 4 • 2 • 4 • 2 • 2 • 2 • 2 • 1				17 17 27 27 30 30 33 33 118 118	
.5 .6 .1 .9 .4 .4 1.1 .5 1.1 .5 .6 1.1 1.1 .1 .6 1.5 1.1 .5 1.7 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7	•1 •6 •1 •2 •4 •2 •2 •2 •2				17 17 27 27 30 30 33 33 118 118	
.5 .6 .1 .9 .4 .4 1.1 .5 1.1 .5 .6 1.1 1.1 .1 .6 1.5 1.1 .5 1.7 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7	•1 •6 •1 •2 •4 •2 •2 •2 •2 •2				17 17 27 27 30 30 33 33 118 118	16
.1 .9 .4 .4 1.1 .5 1.1 .5 .6 1.1 1.1 .1 .6 1.5 1.1 .5 1.7 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7	.6 .1 .2 .4 .2 .2 .2			:	17 17 27 27 30 30 33 33 118 118	
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•1 •6 1•5 1•1 •5 1•7 3•2 5•1 3• 2•1 2•2 2•7 2•1 2•3 •7 2•2 4•8 4•3 3•2	• 2				33 33 118 118	
1.7 3.2 5.1 3. 2.1 2.2 2.7 2.1 2.3 .7	.2				118 118	16
2.2 2.7 2.1 2.3 .7	•2					7.4
2. 7 4.8 4. 7 3	•1		·			36 40
1.2 2.1 5.1 .4 .2 3. 2.7 4.3 .4 .2					117 117	. <u> </u>
3. 2.7 4.3 .4 .2	+			İ	73 78	136
		<del></del>	·		57 37	9 <u>8</u>
2.5 2.3 1.7 1.0					63 63	102
2.6 3.7 .4 .1	···		<del></del>	<del>-</del>	59 59	171
1.5 1.5 .2					28 28	8.3
1.7 .9 .2	· · · · · · · · · · · · · · · · · · ·			<del></del>	19 19	66
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		4539 129 59729 73.712.901	4539 329 59729 73.712.901 810 2856521 47835 59.7 6.591 810	4539 )29 59729 73.712.901 810 ±0F ±32F	4539 129 59729 73.712.901 810 ±0F ±32F ±67F +73F 2856521 478.15 59. 6.591 810 10.6 2.	4539 129 59729 73.712.901 810 ±0F ±32F +67F +73F +80F +938

GLIEAL CLIMATOLOGY BRANCH UNIVERSITAC AI -EATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

STATION	RAMSTE	IN A		ATION NA	ME.				7 <u>3-8</u>	1			YEARS			·		SE	P TH
•																PAGE	1	1275-	
Temp.	<del></del>				WET	BULB .	TEMPER	ATURE	DEPRES	SION (F	)					TOTAL :		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 1	9 - 20 2	1 - 22 23	- 24 25 -	26 27 - 28	29 - 30	e 31	D.B./W.B. D	ry Bulb	Wer Bulb !	Dew F
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/ 51						Ŧ	• 6	. 4	. 4	i						11	11		
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7 / 77				• 1	• 1	1.2	• 7	• 1	. 4				,			22	2.2	_	
e/ 75				<u>. 5</u> ;	. 6	1.0	1.2	• 5								31	31		
4/ 73			• 2	1.0	1.0	1.6	•6	1.1		-						5.2	52		
1 71			5	1.5	2.9	3.0	5	. 4							•	€ 3	63		
/ 59		. ?	1.3	1.2	2.5	1.7		• 1								60	6 <b>"</b>	5	
/ 67		. 5	. 4	2.2		1.1	• 5	_							4	44	44	22	
6/ 65	• 6	1.7	1.6	2.6	.7	. 6	1.								1	5 <b>6</b>	66	52	
4/ 63	•1 •9	2.3				!									1	147	147	68	
./ 51		1.2	2.5	3.6	1.5	• 6			· ·							87	8 3	86	
/ 59	. 4		2.8		1.0										_	63	63	110	
/ 57	.1 .2				. 6	<del></del>										46	46	91	
5 / 55		1.2			. 7										1	36	36	75	
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Element (X)	z <sub>x</sub> ,		2	χ		X	•,		No. Obs.				Meen N	o. of H	lours with	Temperatu	r•		
Rei. Hum.	318	C750		4941	6	61.1	14.1	72	90	9	10F	± 32 F	≥ 67	F	- 73 F	- 80 F	= 93	F T	Total
Dry Bulb		3925		5266	1	65.1	7.5	46	8 0	9			34	.4	15.8	3.1			
Wet Bulb	265	1807		4609	25	57.0	5.6	09	80	9		$L^{}$	3	.0					
Dew Point	213	9142		4096	. 4	50.6	6.5	74	80	9		T		$\neg$			Τ		

0-26-5 (OLA) atvisto nevious torio

GLUBAL CLIMATOLOGY BRANCH LSAFETAC A: LEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AB ÜL S # 2 73-81 MONTH 1576-17,7 Hours ...s. r. PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb 1 - 2 + 3 - 4 5 - 6 - 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | # 31 8/ 87 61 95 4/ 33 - 4 .6 . 4 • 2 11 11 1 •1.1•5 • 5 • 2 • 1 25 1 77 .9 1.1 <u>21</u> 53 .7 1.7 1.6 1.5 75 . 5 53 .4 .4 1.0 3.7 .1 1.5 1.2 3.2 57 50 1 71 . 9 €5 55 1 59 .6 1.4 2.6 •6 2•3 54 •5 1.2 1.9 •6 1.4 •6 •1 1.9 2.5 1.2 1.1 •2 67 1 • 1 31 51 6/ 65 59 59 42 76 4/ 53 .1 1.9 3.8 3.2 4.3 2.3 1.2 137 .9 1.7 2.8 1.7 .5 .7 2.8 1.9 .7 .6 1 51 54 19 / 59 5.8 7.7 1. .6 1.5 1.1 .6 .7 .7 .6 1.1 .7 .6 63 53 95 .6 1.5 .9 .2 1.2 / 57 98 13 39 5 / 55 .7 1. 3 C 30 88 77 4/ 53 25 132 c 3 51 25 25 43 97 ....6 42 72 1 43 5 31 1 47 50 4 / 45 17 12: 4/ 43 55 21 41 39 23 3 / 37 13 / 35 12 3-/ 33 8.79 5.313.015.918.217.315.7 9.5 4.4 2.1 1.1 Element (X) 58.914.261 809 39.6 19.6 3.9 Rel. Hum. 5 0 F 1 32 F 66.0 7.883 57.2 5.616 3571973 53377 809 Dry Bulb 2674372 46297 8 79 Wet Bulb 37 2090098 40784 50.4 6.493 90 Dew Point

. . . . . . . . . . .

Į PREVIOUS EDITIONS OF THIS FORM Ţ. ₹ 0.26-5 (OL

USAFETAC 1084 G.26-5 (QL.A) HYMD MEYDUS LDINOMS OF THIS FORM AND OSCOLETE

DL. HAL CLIMATOLOGY BRANCH CSFFITAC AT REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 14" RAMSTEIN AB DL 73-61 SEP
STATION STATION NAME VEARS MONTH

PAGE 1 1855-2000 HOURS ... S. T.)

Temp.									DEPRE							TOT			TOTAL	
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4/ 53	1.5	2.8	4 • 9	2.3	2.7	• 5										1	20	120	47	Ē
1 51	1.2	3.6	2.7	3.0	. 7	• 2										<b></b>	93	94	74	17
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Dew Point	208	2448		4076	2 50	3.4	5.95	2	8 (	29			. 1		1			]		90

SECRAL CLIMATOLOGY BRANCH UNAFETAC A' - \*EATHER SERVICE/MAC

1 .147 RAMSTEIN AB DL STATION NAME

#### **PSYCHROMETRIC SUMMARY**

SEP MONTH

																	PAGE		21 0 -	
Temp.								TEMPE									TOTAL		TOTAL	
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Wet Bulb		217	4623		417	727	51.5	5 5 5	66	8	In		<del>                                     </del>				<del> </del>	1	$\rightarrow$	
Dew Point		105	9336		395	100	40.0	5.8	45	- 0	10		<del></del>	. 3			<del>                                     </del>	+	_+	- 3

73-81

SUBBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

RAMSTEIN AB DL STATION HAME 14 STATION 73-81 SEP PAGE 1 ALL HOURS IL, S. T.1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Ver Bulb Dew Poir 5/ 27 11 53 •1, •1 17 • 1 17 .1 23 23 • 0 • 0 . 2 40 49 1 77 54 £1 75 97 . 4 . 1 • 1 97 47 23 132 132 164 164 59 221 221 / 67 175 175 65 .5 1.7. 6/ 65 229 229 125 .7 1.8 2.8 1.5 4/ 63 1.7 617 617 240 1.2 2.7 1.9 1.6 11 61 492 493 348 37 1 59 .5. 2.1 3.0 2.7. 1.7 • 3 666 666 579 364 . . 2.4 2.2 2.4 / 57 527 527 620 387 5 / 55 .0 2.7 2.4 2.5 571 571 .9 2.5 2.3 1.4 486 486 643 5.1 21 2.5 3.4 470 • 1 470 779 719 .7 2.6 1.9 340. 640 340. 459 • 7 47 3.3 1.7 • 1 326 326 617 678 / 45 .8 3.6 1.5 387 477 1094 387. 4/ 43 .4 1.5 • 7 257 538 174 174 . 8 2/ 41 98 98 193 426 • 6 • 3 208 75 75 97 . 3 38 64 134 / 35 29 42 97 / 33 55 2/ 31 1 27 7.327.124.116.5 9.8 6.6 4.5 2.6 1.0 ZX Element (X) ZX' ¥ \* No. Obs. Mean No. of Hours with Temperature Rel. Hum. 38292500 487308 75.215.860 6477 ≥ 67 F 10 F s 32 F € 73 F 21841007 371587 57.4 9.014 6478 720 Dry Bulb 104.5 7.8 42.2 18283290 Wet Bulb 341430 52.7 6.635 6477 8.6 720 Dow Point 15750182 48.9 6.430 6.0

-5 (OL. A) BIYISED MEVICUS EDITIONS OF THIS YOUM ARE O

USAFETAC FORM 0.26-5 (OL A) MY

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# PSYCHROMETRIC SUMMARY

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Dry Bulb		1643			3776			7.08		8 3				5.0		1_				_
Wet Bulb		1522			35 2			6.59		82				6.9						_
De- Point		1383	1711		3331	TO T	T. 4	6.79	7	8 2	/		7 7	1.3						_

**PSYCHROMETRIC SUMMARY** SEFETAC A LEATHER SERVICE/MAC 1 14 RAMSTEIN AB CL STATION NAME OCT ... 7300-3500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 - 8 | 9 - 10 | 11 . 12 | 13 . 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 . 24 | 25 . 26 | 27 - 28 | 29 . 30 | 231 | D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 4/ 53 .7 .1 .7 .6 1.1 1.8 .7 .5 1.8 1.9 .6 / 57 · - ç 5 / 55 20 3.5 35 4/ 53 17 43 4 7 16 4/ 51 .2 2.9 3. 51 51 43 11 2.5 2.2 / 47 .2 6.5 2.5 78 73 47 4 / 45 91 .6 6.4 3.6 88 4/ 43 1.2 7.4 2.3 93 93 98 55 2.1 9.6 1.1 89 127 2/ 41 106 • 1 3 1.2 9.5 89 90 81 86 5 / 37 : 98 1.3 3.9 . 8 50 98 / 35 .4 6.2 56 23 59 54 2/ 31 .1 1.8 16 35 .2 2.2 23 7 / 27 1.2 .6 15 15 14 37 13 25 • 1 / 23 • 1 • 1 2 2/ 21 e 37 12.764.420.5 2.2 .2 925 No. Obs. 86.8 7.890 6259925 71569 Rel. Hum. 825 ≤ 32 F Dry Bulb 1637316 36174 43.2 7.249 837 6.9 93

825

7.8

14.8

93

41.5 6.738 39.5 6.887

34257

32603

FORM 0.26-5 (OLA) REVISED MEVIOUS EDITIONS OF THIS FORM

Wet Bulb

Daw Paint

SELPAL CLIMATOLOGY BRANCH

1459883

1327517

SLABAL CLIMATOLOGY BRANCH USAFETAC

AT WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL I 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 | D.B. W.B. Dry Buth Wet Buth Dew Point (F) • 7 1:9 • 2 .1 2.7 / 55 .6 35 8 .2, 2.5, 1.7 4/ 53 34 • 5 <u>!</u> 13 41 41 1/ 51 .5 2.3 2.7 45 45 36 31 1 45 1 3.3 2.9 6.5 2.4 52 52 27 - / 47 73 76 3.7 .8 7.9 3.8 4 / 45 175 158 3 3 .5 7.3 3.5 4/ 43 93 96 63 1 7.7 72 2/ 41 1.310.1 1.2 104 92 1.1 7.6 75 5 / 37 2.2 5.7 .6 .4 3.5 .1 64 64 83 35 35 33 47 71 •7 1.6 •2 •5 1.6 •1 3 / 33 22 18 46 2.2 / 31 31 1 27 27 .8 1.7 17 1.1 1.1 17 la. / 25 • 7 17 1 23 2/ 21 TAL 11.565.121.2 2.2 37 825 825 825 Element (X) Zx' R \*x 86.3 7.582 No. Obs. Mean No. of Hours with Temperature 625617 825 Rel. Hum. 1621162 Dry Bulb 36348 43.4 7.146 837 7.3 41.7 6.737 39.7 6.915 1472527 34439 825 9.0 73 Wet Buib 1340989 32769 Dew Point 8 Z 5 13.3

POBM D-26-5 (OLA) REVISED REVIOUS EDITIONS OF IN

USAFETAC ROLL D

DESPAL CLIMATOLOGY BRANCH LSIFETAC AT LEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

1 1+ RAMSTEIN AB OL STATION NAME . . OCT PASS 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp.

Wer Bulb	1702456	37169		6.414	828		2.5			<u> </u>		+
Dry Bulb	5597421 1937628	67567 39822		7.173	8 <u>2 8</u> 8 3 7	: 0 F	= 32 F	.2	* /4 F	200		
Element (X) Rel. Hum.	2 X1	2 x	X	10.065	No. Obs.			Meen No. o ≥ 67 F	Hours wit	h Temperatu = 80 F		Tota
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. / 7.9	•5. 3•6 •5	_								3.8	3.5	59
2/ 41	1. 7.4 1.6	•5 •1								6.7	<u> </u>	98.
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4 / 45	.4 4.5 3.7 .4 7.9 4.8	• 8	1							113.	127	7 <b>5</b> 9 <b>4</b>
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Element (X)	ΣX,	Z X	X	· a	No. Obs.			Mean No. o	f Hours wit	h Temperatu	re	
Rel. Hum.	5597421	67567	81.6	10.065	828	: 0 F	± 32 F	≈ 67 F	≥ 73 F	≥ 80 F	+ 93 F	Total
Dry Bulb	1937628	39822	47.6	7.173	837		1.3	•2				ş
Wer Bulb	1702456	37169	44.9	6.414	828		2.5			i	1	9
Dew Point	1501365	34831	42.1	6.611	828		6.3				1	9

USAFETAC NORM 0-26-5 (OLA)

USAFETAC FORM 0.26-5 (OLA) REVISO REVISOR SOFTINS FORM ARE DISCORDER

GELBAL CLIMATOLOGY BRANCH OSAFETAC

AT WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 14 FAMSTEIN AB OL 75-81 CCT

STATION STATION NAME YEARS

PAGE 1 100-1400 Hours (L.S. T.)

Temp.										DEPRES							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								- 24 25	26 27	- 28 29 -	30 - 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
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7.71						. 1		• ?		! i							6	6		
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Element (X)		Z g'	+		ZK		X	•,		No. Obs	. +				ean No. (	of Hours wi	th Tempera	ure		
Rel. Hum.			1399		602		72.7			8.		± 0 F	= 32	F	≥ 67 F	≥ 73 F	- 80 F	≥ 93	F	Total
Dry Bulb			1731		438	- 1	52.4	-		8					4.7	1.1		1		93
Wet Bulb			3542		397		48.0			8.			1				1			93
Dew Point		14	6766		36	76	43.5	6.7	<b>C 7</b>	8.2	76		1	. 4				+		93

THIS FORM ARE DISCUETE MEVIOUS EDITIONS OF 0.26-5 (OL A) USAFETAC

Dew Point

1 1+ RAMSTEIN AB DL STATION NAME

SEC AL CLIMATOLOGY BRANCH STATETAC PSYCHROMETRIC SUMMARY AT REATHER SERVICE/MAC

73-81

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1570-1763 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | e 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point . 1 1 77 -/ 75 • 2 4/ 73 . 4 / 67 .1 1.3 19 19 £/ 65 1... 7 •2 1•8 1•7 1•2 4/ 63 44 44 1 61 1.7 2.2 1.5 <u>32.</u> 45 19... 21 52. / 59 .2 1.5 1.4 1.9 5 / 55 1. 1. 1. 3. 2. 5. 1. 9 .7 3.1 3.9 1.1 57. 57. 49. 11 7.5 75 53 27 1.6 2.2 3.5 1.4 1.7 4.1 2.2 1.6 1.1 2.7 1.7 .6 7.2 7.2 39 37 51 • 2 • 1 8.2 8.3 3.3 60 1 47 56 58. • 6 . / 47 .1 2.4 3.1 1.2 • 7 2 B 79 € 3 56 4 / 45 <u>. 9</u> .1 5.3 3.7 1.6 99 36 129 4/ 43 .1 3.5 2.4 86 76 94 **ب**ار 1 41 3.5 2.2 49 49 76 112 4 / 3 59 73 . 2 \_23. 79 / 35 . 1 42 6 3 / 33 1/ 31 11 1. 1 27 1 23 .422.528.422.816.2 5.4 2.4 1.4 537 8 Ç B Element (X) No. Obs. Mean No. of Hours with Temperature 4303223 Rel. Hum. 70.913.047 587 J7 628 ≤ 32 F +67 F = 73 F = 80 F Dry Bulb 2428175 44585 53.3 7.980 837 6 .4 93 1974264 40092 48.4 6.317 Wet Bulb 828 93

36133

1614337

43.6 6.710

CCT MONTH

SLUBAL CLIMATOLOGY BRANCH OSAFETAC AL- KEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 1 4 7 RAMSTEIN AB DL 73-81 CCT

STATION STATION NAME YEARS MONTH

PAGE 1 18°C-2°CC HOURS (L.S. T.)

Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

(F) 0 1 2 2 4 5 6 7 6 9 10 11 1212 TAILS (A.T. N. 19 20 2) 2212 2415 2417 29 29 30 21 11 DB/MB. Du. Bulb. Day Book

Temp.						FBULB														TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	2 13 -	14 15	- 16	17 - 18	19 - 20	21 -	22 2	3 - 24	25 - 2	6 27	28 2	9 - 30	<b>2 31</b>	D.B./W.B.	Dry Bulb	Wet Built	Dew P
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4/ 53	• 1	• 6	1.3	• 2		:		i		1			i			-				. 19	19	1	
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5 / 55		2.8													i		i			55	_		
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Element (X)	Z x 1	770		6693		<u> X</u>		€ <u>,</u>	•	No. Ob										h Tempera			
Rel. Hum.	5436 19 <b>9</b> 7			4147		8 . 6		507			29	_ =	0 F	<u></u>	32 F		67 F	-	73 F	- 80 F	• 93	F	Total
Dry Bulb						48.4		_			37			+-						<del></del>	<del></del>		9
Wet Bulb	1751			3771		45.5	1	335	1		28				1.					<del></del>			9
Dew Point	1541	0 / 5		3529	70	42.6	0 0	192	3	8	28			1	5.6	וכ		ļ		1	- 1	- 1	9

GETPAL CLIMATOLOGY BRANCH LIFESTAC

AT ARATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AB DL STATION NAME OCT MONTH 73-81 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 5 4/ 53 .1 .4 • 1. 13 .2 1.2 13 .2 1.6 / 57 • 7 22 5-7-55 3.3 1.8 .7 49 49 15 8 1.8 1.7 1.2 .5 3.5 3.3 .6 39 39 2/ 51 51 65 65 5 / 49 .1 2.2 3.4 50 50 / 47 .2 7.3 1.9 78 93 81 41 / 45 .6 9.3 4.6 123 129 1:°C .6 6.2 2.7 1.2 88 4/ 43 88 96 2/ 41 .2 9.6 1.7 .1 .2 8.6 .6 1.5 2.9 .4 78 78 79 107 173 41 •4 2.3 •2 / 35 24 24 36 74 33 27 3 / 33 .5; 1.8; 1.0 27 33 7/ 31 1.5 1.2 12 2 / 27 / 25 ~ / 23 837 827 827 5.761.226.7 6.3 827 Element (X) No. Obs. Rel. Hum. 5982343 70001 84.6 8.318 827 ± 32 F + 80 F + 93 F 37987 2.7 176288 93 Dry Bulb 45.4 6.873 837 43.3 6.378 41.3 6.627 Wet Bulb 1581709 35773 827 5.5 43 827 93 14231 18 33866 10.2 Dow Paigt

PORM 0-26-5 (OLA) REVISED REVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GL(BAL CLIMATOLOGY BRANCH USAFETAC AL AEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 - 1 a · · RAMSTEIN AB DL OCT 73-31 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 1 79 • 0 1 7 / 77 61 75 . 1 • 1 41 73 • 1 . n / 71 15 15 . 1 •1 . 2 25 . 1 25 € / 67 . 0 36 36 . 4 • 1 • 1 6/ 65 33 • 2 4/ 63 • 5 123 11 3 • 3 123 • 0. • 8 2/ 51 145 145 42 7 59 .3 1.3 . 7 • 5 194 194 81 6 • 1 .9 1.2 37 / 57 .8: 221. 221 157 55 .1 2.1 2.2 1.7 440 443 225 113 • 6 4/ 53 446 .1 2.1 2.5 446 337 221 2/ 51 496 2.5 3.3 1.0 499 478 333 5 / 43 285 .1 2.5 3.2 431 434 530 • 1<sub>1</sub> • 1 . 7 / 47 5.2 2.9 • 2 609 525 665 454 4 / 45 .5 7.3 3.9 741 935 . 1 . 7 • 2 844 878 .5 6.1 2.5 4/ 43 639 547 741 580 . 3 668 687 976 2/ 41 .7 7.5 1.5 662 30 727 .6 5.5 426 430 639 3 / 37 543 .9 3.1 289 293 690 254 • 2 / 35 195 455 . 2 2.5 197 3 / 33 106 306 • 5 . 9 . 2 108 216 2/ 31 72 72 135 187 . 9 1 / 20 • 3 70 73 79 183 . 8 1 27 . 5 48 48 52 145 • 2 / 25 2-/ 23 17 17 51 39 24 2/ 21 TIAL . 0 6.257.026.210.8 4.6 1.4 .5 • 0 6696 • 3 .0 6614 6614 6614 No. Obs. Mean No. of Hours with Temperature Element (X) 44596055 537679 ≥ 67 F ≥ 73 F ≥ 80 F 6614 s 32 F Total 23.7 744 15387895 11.3 Dry Bulb 316341 47.2 8.152 6696 294162 33.1 744 134 2658 44.5 6.952 6614 Wet Builb 70.0 744 1173847 274852 41.6 6.920 6614

C FORM 0-26-5 (OL.A) BEYIND REVIOUS EDITIONS OF THIS FORM ARE O

SECHAL CLIMATOLOGY BRANCH UHPETAC ALH WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

1 . 1 4 PAMSTEIN AB DL 73-81

STATION

STATION

STATION NAME

Temp.

(F)

O 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Poin

Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (	(F)				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	31 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 = 31	D.B./W.B.	Dry Bulb V	et Bulb D	ew Point
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9/ 53		1.1	. 9	• 5	. 4			:								23	23	7	1
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4 / 45	• 2	4.2	1.9	• 1		. 1	:	i						i		53.	5.3	48	43
4/ 43	.6	4.4	2.6	• 1	. 2											65	65	60	42
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4 / 39	. 2	6.8	2.6	• 1	1											79	79	75	5 ]
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Element (X) Rel. Hum.			7588		672	74	83.1				10	± 0 #	± 32 ₽	≥ 67 F	≥ 73 F	- 80 F	≥ 93 F	T,	otal
Dry Bulb			2634		314		38.8				10	- 4 7	17.1		- 101		+	+	90
Wet Bulb			2532		298		36.8				10		24.3			<del> </del>	<del> </del> -		90
Dew Point			6215		275		34.0				10		38.3			<del> </del>	+	+	90
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USAFETAC NOTAL 0.26-5 (OL.A) BENSED REVIOUS EDITIONS OF THIS FOLM ARE

USAFETAC FORM 0-26-5 (OLA) MINISTERIONS OF THIS FORM ARE OSCORER

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# **PSYCHROMETRIC SUMMARY**

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Temp.							TEMPER											TOTAL		TOTAL	
(F)	0 1 - 2	3 - 6	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 -	20 21	- 22	23 - 2	4 25 - 2	26 27 -	28 29	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
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Element (X)	Zx'	ــــــــــــــــــــــــــــــــــــــ		Ex	Τ.	X	*		No. O	bs.	╁			<del></del>	Mee	n No. c	f Hours w	ith Tempera	ture		
Rel. Hum.		77689		679	7 1	83.9		59		10		10 F	1	1 32 F		67 F	• 73 F	≥ 80 F	• 93	F	Terei
Dry Bulb		14:37		306		37.9	8.00			10				22.	3				1	1	<b>9</b> U
Wet Bulb		96741		291		36.7	7.4	77		10				29.				1			90
Dew Point	9	50126		269	74	33.3	8.0	16	8	10	$\top$			41.	6			1	+		93

DELYAL CLIMATOLOGY BRANCH DESCRIPTION ASSEMBLY AFATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

810 810

817

1 14 RAMSTEIN AB DL STATION NAME NOV 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | \* 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point .7 • 5 / 57 13 17 4/ 53 3 .4 1.9 / 51 .7 1.1 15 15 8 / 47 3.3 1.6 41 23 15 4 / 45 .2 6.3 1.5 .6 70 70 61 39 4/ 43 .2 2.8 2.2 43 43 91 12/ 41 1.2 8.4 1.6 91 91 70 1 7. 1.1 7.7 2.7 79 32 3 / 37 1.2 5.1 2.3 70 76 / 35 .4 6.7 1.2 67 67 65 3 / 33 76 98 .9 7.4 1.1 76 71 2/ 31 49 55 .7 3.6 1.6 49 40 40 45 82 •1. 4•2 •6 1.9 3.5 48 45 88 / 25 2.0 24 24 28 3€ 1. / 23 21 • 2 13 21 27 17 / 17

Element (X)	2 x'	ZX	X	₹ <u>a</u>	No. Obs.	<del>                                     </del>		Mean No.	f Hours wit	h Temperatu	re	<del></del>
Rel. Hum.	5015522	68238	84.2	9.090	810	207	≤ 32 F	≥ 67 F	≥ 73 F	- 80 F	+ 93 F	Tetal
Dry Bulb	1218253	30723	37.9	8.090	81C		22.4					9;
Wer Bulb	1104713	29275	36.1	7.594	810		28.7					9
Dew Paint	961612	27122	33.5	8.129	810		40.7			1		90

USAFETAC NOM 0-26-3 (OLA) NIVISIO INTINOUS EDITIONS OF THIS FOUN ARE OLSCILLE

1 / 15 / 13 1 / 11

11.764.721.1 1.6

GLUBAL CLIMATOLOGY BRANCH UMATETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1 14"	RAMSTEIN AS DE STATION NAME	73-01 YEARS	NC V
		PAGE 1	1910-1120

Temp.										EPRESSION			,		TOTAL		TOTAL	_
(F)	0 1	1 - 2	3 - 4					13 - 14 15	- 16 17	- 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29	- 30 = 31	D.B. W.B.	Dry Bulb	Wet Bulb (	)e =
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5 / 55	i	• 2		• 2	:	• 1			1					;	9	9	3	
4/ 53		• 7		• 6	• 1								·	i	19	19	9.	
J/ 51	• 1	. 2	3.2	• 1							7				30	30	15	
5 / 47	:	1. 7	3.1	. 4		!!			1		1			1	36,	36	22	
/ 47		3.7	1.7		-										1 44	44	54	_
4 / 45		4 . 8	2.1	. 4									1		5.9	5 <b>9</b>	63	
4/ 43	•1.	4 . 2	3.3	• 1											63	63	52	
a/ 41	•5  7	7.7	3.5	• 1					į.						95	95	63	
4 / 3"	.7	9.1	2.3	. 4								1			102	102	72	
3 / 37	• 7, 6	6 . 3	2.5						i	:		I			77	77	103	
/ 35			2.1							<del></del>					77	77	79	
3 / 73	.2 4	4.5	1.2	. 2				!	1	1					5.1	51	95	
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1 77	1.1 2	2.2	. 7												33	33	29	
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1 23	•1	• 6	•1											· · · · · · · · · · · · · · · · · · ·	7	7	9	
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		- 7												i				
7	!																	
Element (X)	<u>i_</u>			- · · · · · · · · · · ·	Ex		¥	<del></del> -		o. Obs.	<del> </del>		Mara Ma	of Mouse wit	h Temperati			
Rel. Hum.			4242		664			8.902		809	5 0 F	± 32 F	≥ 67 F	≥ 73 F	- 80 F	- 93 F	T.	orol
Dry Bulb			003		323			7.44		809	206	14.7		+ ***	+	+ * 73 F	<del></del>	
Wet Bulb			35 30		306			6.98		809	<del> </del>	19.9	1	<del> </del>	+	+		
Dew Point			7376		282			7.55		809	<del></del>	34.2	,	<del> </del>	<del> </del>	+	<del></del>	
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GLICAL CLIMATOLOGY BRANCH

SEFETAC

Al WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

1

RAMSTEIN AB DL STATION NAME 73-81 NOV PAGE 1 1200-1433 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 4/ 63 1 1 / 59 12 12 . 2 19 .2 1.4 / 57 5 / 55 . 4 . 7 • 6 15 15 .1 1.5 2.7 37 37 2/ 51 .6 3.7 1.4 47 47 74 7 .5 2.7 1.5 38 38 3 31 2.7 2.0 2.1 . / 47 28 58 58 70 3.7 6.0 2.1 / 45 . 5 173 103 61 61 94 4/ 43 4.7 4.8 3.2 109 139 51 • b 2/ 41 4.7 4.2 2.7 89 39 69 76 4 / 39 5.3 4.7 1.5 કુ લુ 91 88 82 - 1 3 / 37 4 4.4 2.7 65 98 65 / 35 3 / 33 3.0 2.5 1.9 1.0 57 69 • 6 50 88 92 32 75 1.3 1.1 2/ 31 • 2 19 19 56 38 1 39 .7 1.1 27 18 7 € . 4 / 25 2-1 23 2/ 21 13 / 19 1-/ 17 1:/ 15 1 13 1.434.633.821.6 2.7 1.0 810 TOTAL P13 Mean No. of Hours with Temperature Element (X) No. Obs. Rel. Hum. 4660845 60783 75.011.098 810 10 F ≤ 32 F 267 F = 73 F = 80 F = 93 F Tetal 1564251 1332322 43.4 6.912 43.1 6.383 Dry Bulb 35153 810 4.9 32442 90 9.8 810 Wet Sulb 1079125 28961 35.8 7.345 Dew Paint 810 29.2 90

DEM 0-26-5 (OL.A) REVISED PREVIOUS ED

USAFETAC NOW 0.2

GLEBAL CLIMATOLOGY BRANCH USFFETAC ALE WEATHER SERVICE/MAC

RAMSTEIN AB DL

#### **PSYCHROMETRIC SUMMARY**

STATION		STATION NAME				YE	ARS			_	MON	T
									PAGE	1	15"0+	
Temp.		WF	T BULB TEMPERA	TURE DEPRESSION	(F)				TOTAL		TOTAL	-
(F)	0 1-2-3-4 5	6 7-8 9-1	0 11 - 12 13 - 14 15	. 16 17 - 18 19 - 2	0 21 - 22 23	24 25 - 26	27 - 28 29 -	30   2 31		bry Bulb		D
4/ 53					1				<del>*</del>	<u> </u>		_
./ 5!			1	1	1 1			1	1	1		
/ 59	<del></del>	.6 .1 .	1	+	+				11	11		
/ 57 i	.1 .4 1				1				19	19	2	
5 / 55	.5 .9	.7 .2			+	<del></del>		-	19	19	. کی ۔ 5	
4/ 53	.1, 1.5 1		1 .1		1	1			32	32	13	
2/ 51			1:	<del></del>					37	37	2	-
5 / 47			- 1						42	42	34	
/ 47	1.2 3.7 1 3.0 2.2 3	•2 •5		<del></del>					72	72	67	_
4 / 45	4.7 4.9 2		1			:			104	104	51	
4/ 43	.1 4.7 5.2 3	.2 .4 .		•		<del></del>		<del></del>	105	105	97	-
27 41	3.7 5.2 2		1						94	94	66	
4 / 35	4.4 3.8 1								82	ŝ <b>2</b>	c 3	-
3 / 37	.5 3.2 3.6	•5  •1							64	64	93	
/ 35	3.3.1.7								48	48	91	-
3 / 33	.1 1.7 1.5 1	• 1, i	· 1	1					35	35	ē. 3	
2/ 31	1.7 .7	• 5							18	16	45	
/ 200	1.5 1.7	-1	! !						21	21	23	
1 27	• 4					:			3	3	71	
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2/ 21				ii				1				
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· / 17	1 1		ii_					<u> </u>				_
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			1 1		! !			į				
-					+ +			<del> </del>		•		
Element (X)	ZX'	ZX	X Ta	No. Obs.	<u> </u>		Mean No. of	Hours wi	th Temperatu	**		-
Rel. Hum.	4596103	60233	74.511.74		5 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	- 93 F	T	Ġ
Dry Bulb	1562114	35122	43.4 6.79			4.7						_
Wet Bulb	1326657	32355	40.0 6.35			13.6			i		$\perp$	_
Dew Point	1367282	28746	35.5 7.53	809		D . 4			T	1		_

GUCHAL CLIMATOLOGY BRANCH

SSAFETAC

AIR MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

RAMSTEIN AB DL STATION NAME NOV 1800-2500 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 . 2 | 3 . 4 | 5 . 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Poin / 59 . • 5 5 / 55 • 7 15 18 • 6 4/ 53 .1 1.7 2/ 51 .5 3.3 31 31 1 40 1.0 1.9 1 47 3.7. 1.6 15 / 45 .1 4.7 4.3 75 • 5 4/ 43 .1 5.3 2.8 71 49 . 6 2/ 41 .7 8.3 6.D 88 72 128 7.8 2.6 4 / 34 90 90 75 5.4 1.5 66 7 / 35 3-/ 33 8 0 5.6 3.0 72 72 75 .2 3.2 1.6 42 42 8Q 2/ 31 2.2 .6 .4 4.7 1.5 27 27 51 62 1 25 49 49 35 <u>62</u> ? / 27 1.9 2.7 1.0 39 39 74 41 / 25 .1 .2 .1 45 7 / 23 24 2/ 21 / 1° · / 17 1./ 15 4.754.133.8 6.9 810 810 Element (X) IX' Ŧ No. Obs. Mean No. of Hours with Temperature 5338876 80.610.086 810 ≤ 32 F 40.5 7.084 1367314 32778 810 13.4 90 Dry Bulb 38.1 6.691 Wet Bulb 1211715 30857 81C 18.9 9 C 28187 81C

Date 0-26-5 (OLA) senses remous tornor

FETAC POSE 0-26

GLEBAL CLIMATCLOGY BRANCH SSAFETAC

AI MEATHER SERVICE/MAC

USAFETAC

## **PSYCHROMETRIC SUMMARY**

1 14. RAMSTEIN AB DL 73 - 81STATION NAME 2173-23L3 PAGE 1 TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) / =9 . 1 . 4 ·5 5 / 55 11 11 • 1 ·/ 53 22 2/ 51 1.1 2.2 15 1 49 .9 1.5 2.6 1.9 1 9 19 1 5 / 47 41 /\_45 41 5 8 = 3.3 4.6 4 4.9 2.1 69 69 . 4 4/ 43 65 65 6 5 د 1. 7.7 4.1 1/ 41 100 100 • 1 66 .1 6.2 2.6 56 76 76 1.5 7.3 1.5 3./ 37 ā3 33 ?1 48 24 33 35 8.2 .5 4.2 2.1 .1 2.8 .5 3 / 33 57 57 2.8 71 31 28 .6 2.3 1.1 33 3ú. / ?? 33 1 27 2.6 1.1 46 46 1.2 1.5 .1 / 25 • 7 14 22 3 .. 2/ 1 • ? • 2 / 17 / 1 15 / 13 917 910 2.555.737.7 3.7 1.1 817 0.26-5 (OL A) 1 1 0 1 Element (X) No. Obs. Mean No. of Hours with Temperature 910 5568718 82.3 9.834 66688 267 F 273 F 280 F 293 F Rel. Hum. 2 0 F ≤ 32 F 39.2 7.718 817 1295147 31781 Dry Bulb 16.7 1158556 37.1 7.202 3 Ju 74 810 22.0 Wet Bulb 27665 36.4 994553 34.2 7.792 810 Dew Point

SLERAL CEIMATOLOGY BRANCH USIGETAC A'EATHER SERVICE/MAC

1 14' RAMSTEIN AB DL STATION NAME

#### **PSYCHROMETRIC SUMMARY**

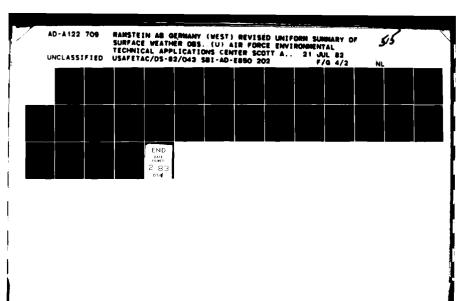
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WET BULB TEMPER, (URE DEPRESSION (F) TOTAL TOTAL . 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wei Bulb Dew Poin -/ 6 3 / 59 45 • 1 77 5 / 55 • 3 • 5 - 1 98 ଦଞ୍ 163 103 2/ 51 243 243 . 9 2 . 7 63 374 1 47 3.1 1.7 381 • 1 381 137 4 / 45 .2: 4.7, 3.4 442 615 617 43. 4/ 43 .3 4.2 3.1 1.7 571 571 511 364 .5 6.8 3.6 758 758 535 537 .5 6.7 2.7 683 683 590 577 733 5 / 37 .9 5.4 2.4 577 469 / 35 •4 5.8 2.3 559 559 626 659 3 / 33 .5, 4.4, 1.5 435 715 626 435 ₹53 27 31 .2 2.7 1.C 263 518 473 .3 3.7 1.7 279 552 1.5 1.9 .7 77 261 262 261 642 103 78 197 277 . 7 178 23 • 5 78 190 30 30 46 135 • 3 21 ž 1 13 96 / 17 24 9 8 1 / 15 62 1 / 11 7. 53.229.9 8.0 1.4 .4 6478 6478 Σχ ZX No. Obs. Mean No. of Hours with Temperature Element (X) 429 ?9583 522841 8 . 710 . 623 6479 s 32 F 10633478 47.1 7.793 37.8 7.181 6478 Dry Bulb 260061 116.7 95717:6 Wet Bulb 244626 6478 164.4 284.6

73-81

0-26-5 (OL A) seristo recious tortions of this ro

USAFETAC FORM 0.26





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLIBAL CLIMATOLOGY BRANCH

## **PSYCHROMETRIC SUMMARY**

USAFETAC ATH WEATHER SERVICE/MAC 1 14".

RAMSTEIN AB DL STATION NAME

PAGE 1 0000-0220

															HOURS IL	. \$. 1.1
Temp.				,				E DEPRESSION					TOTAL		TOTAL	
(F)	0				7 - 8 9 -	10 11 - 12	13 - 14 15 - 1	16 17 - 18 19 - 2	0 21 - 22 23 -	24 25 - 26	27 - 28 29	- 30 : - 31	D.B./W.B. (		Wet Bulb I	Dew Po
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7 51			• 6											7 .	. 6	
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/ 47		3.			• 1'			_ <del></del>	<u></u>				35	35	1.3	1
45		2.6						1 :	1				43	<b>→</b> 8	5 5	2
4/ 43		1.9											34	34	°6.	3
27 41		1.9				:		:					2.5	25	5.1	2
÷ 1 4 -		4.9				4		-					67	67	31	4
3 / 37		4.4											<b>7</b> a	7.7	5.2	5
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c/ 51		4.5									<b>.</b>		<u>. 6</u> 2.	ა ე.	٩7	ە _
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1 27		2.7	. 5							··· -			41	41	49	, t
/ ?5		2.2			. +								31	31	40	6
/ 23		2.6											31	31.	23.	_ 3
2/ 21		1.8						1					31	31	37	4
<u>/ 1 - </u>	1.1								<b></b>				16	16	21	2
/ 17	• 5	• 6					:						9	9	11	2
1 / 15	• 6	-					· · · · · · · · · · · · · · · · · · ·	<b>.</b>					10	13	_ 12	2
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lement (X)			0140		<del>*x</del> 70700		10.273	No. Obs.	-0.5	. 33 F	,	= 73 F	<del></del>	* 93 F		
ry Bulb			0542		28478		9.255	837	= 0 F	= 32 F	≥ 67 F	2/3 5	* 60 5	* 73 F		otal Ç
Ver Buib		_	4.797		27143	1	8.741	937	• 3	43.0		<del> </del>	<del> </del>	<del> </del>		<del>,</del>
Dew Paint			8898		24940		9.262	<del>2</del> <del>37</del>	• 3	56.8		-	-	+		- 3
AM Point		1.0	<b>4070</b>		64540	4.701	, 6402	ادع	• 3]	20.0	L	I	<u> </u>	1		7

USAFETAC FORM G-26-5 (OLA) REVISED METWOUS EBITIONS OF THIS FORM ARE DISCUSSES

GLC-AL CLIMATOLOGY BRANCH L'19 ETAC A - LEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

DEC

0300-0500 Hours (c. s. T.) PAGE 1

Temp.			WET BULB	TEMPERATUR	E DEPRESSION	(F)				TOTAL TOTAL			
( <b>F</b> )	0 1-2 3-4	5-6-7-8	9 - 10 11 - 1	2 13 - 14 15 - 1	6 17 - 18 19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29 -	30: = 31	<sup>™</sup> D.8./W.B. D	ry Bulb V	fet Bulb (	Dew Po
4/ 53	•1 •		1	+ !						3	ε		
c/ 51	.1					1	;			7	7	3_	
E / 4	•1					+				9	9	15	-
/ 47	4 1.9 1.									27	27	14	
4 / 45	.4 3.9 3.				+	<del></del>				64	64	34	
4/ 43	.1 2. 2.									35	35	43	2
2/ 41	.1 3. 1.			<del>,</del>		<b></b>				39	39	37	3
4 / 39	.8 3.8 2.	-								61	61	47	4
1 / 37	1.8 4.4 1.			<del></del>	- <del>-</del>					67	67	5.4	4
/ 35	1.7 7.5 2.									161	101	78	7
3-/ 33	2.9 4.3 2.	_ <del></del>			_+		<del></del>			50	89	111	
2/ 31	4 4 8 1		i							57	57	86	
/ 30	1.4 5.1	<del></del>		<del></del>	<del></del>		+			59	59	78	
1 27	3.8 3.2									62	62.	63	5
/ 25		·		<del></del>						26	26	26	
2 / 23	1.3. 2.4	_		1	•					31	31	33	4
2/ 21	2.2 1.9			<del></del>						34	34	34	
/ 19	1.3.1.1		•							źń	21	27	-
: / 17	.8 .1			<del></del>	<del></del>	•				8	8	!6	
1 / 1%	.2 .4									5	5	6	3
/ 13	.4 .6			+						8	8	7	
1 / 11	.5 .4				1					7	7	7	_
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TAL	23.453.721.	3 1.6	1	1	i			1			836		9.
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Element (X)	Z <sub>X</sub> ,	Z <sub>X</sub> Z <sub>X</sub> X $\sigma_{g}$ No. Obs. Mean No. of Hours with Temperature											
Rel. Hum.	6.6243	5 736	97 84.0	610.023	836	2 0 F	s 32 F	≥ 67 F	- 73 F	- 80 F	+ 93 F	T	etal
Dry Bulb	101622	5 28	77 33.0	9.367	836		37.6			i T	i		9
Wet Bulb	92283		777 32.1	8.834	836		45.1			I			5
Dew Paint	78991	6 244	84 29.	3 9.341	836		56.8						9

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SLUBAL CLIMATOLOGY BRANCH USAFETAC AL MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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(F)	0 1 -	2 3-4	5 - 6	7 - 8 9 -	10 11 - 12	13 - 14 15	- 16 17 - 18	19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29	- 30   = 31	D.B. W.B.	ry Bulb V	Vet Bulb Dew
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. / 47	.2, 1	.7: 1.2						1					. 26	26	15
4 / 45	.4 4	.4 2.4	• 2								•		6.2	62	36
4/ 43	.1.2	.6, 2.2											41	41	41
2/ 41	•6 2	.4 2.4	. 4										4.8	4.8	45
. / 74	.6 4	.2 1.7					i	!					4 8	<b>4</b> 8	3 to .
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/ 25	1.2 2	• 173	•										27	27	37
2 / 23	1.7 2	.3' .1					i						34	34	₹0
2/ 21	1.7 1	.9 .1				+	+	+					31	31	72
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TAL	21.056	.020.8	1.6	<del></del>	+	<del>    -</del>		<del>                                     </del>					<del>†</del>	937	_ · · · 8
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lement (X)	Z x	,	+	ž x	<u> </u>	-	No. OI	1			Magn No.	of Hours wil	h Temperatu	***	
Ref. Hum.		:21920		70528		9.723		37	2 0 F	± 32 F	≥ 67 F	+ 73 F	- 80 F	• 93 F	Total
Dry Bulb		16094		28078		9.420	1	37	307	39.3		****	- 50 7	- 73 -	
Wet Bulb		923681		26749		8.874		37		47.9		<del> </del>	1	<del> </del>	<del></del>
Dew Point		785616		24438		9.399		37	•1	57.9		<del> </del>	<del> </del>		+
POW POINT		, , , , , , ,	1	E 77 W 0	6796	70377	ı		••			ı	i		

USAFETAC 1044 0.26-5 (OLA) NIVIRE MEVIOUS EDITIONS OF THIS FOLM ARE ORDOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AL AEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14	HAMSTEI		STATION NAME			73-31		YE	ARS				DE MON	
3121104			STATION NAME								PAGE	1	D6"0-	0.9
			<del></del>			- 05 BR55510N	(5)				TOTAL		TOTAL	. >.
Temp. (F)	0 1-2	3 - 4 - 5 - 6	7-8 9.	10 11 - 12	13 - 14 15 - 1	E DEPRESSION   6 17 - 18 19 - 20	21 - 22 23	- 24 25 - 26	27 - 28 29	- 30   × 31		ry Buib		De w
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4 / 45	.4 4.4		2				1 1				6.2	52	36	
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7 3.	1.1 5.5	• 2			·		+				57	$-\frac{5}{57}$	5	
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2 / 23	1.7 2.3	• 1		1	1						34	34	₹ C	
2/ 21	1.7 1.9	•1	-								31	31	3.2	
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							; - <u>F</u>		, , ,		1			
Element (X)	2 42		2 x	<del></del>		No. Obs.	<u> </u>	<del></del>	Meen No.	of Hours wi	th Temperatu	*		_
Rel. Hum.	6.21		70523	84.3		8 3 7	3 0 F	≤ 32 F	≥ 67 F	≈ 73 F	. 00 F	• 93 F	7	010
Dry Bulb	1 16	,	28078		9.420	837		39.3						
Wet Bulb		681	26749		8.874	837		47.9						
Dow Point	785	616	24438	29.2	9.399	837	•	57.9		1	1		i	

ULCHAL CLIMATOLOGY BRANCH USSEETAC AT- WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 - 1 to RAMSTEIN AB DL 73-81

STATION

STATION STATION NAME

PAGE 1 79:0-11:0

HOURS (L. S. T.)

Temp.

(F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dew Po.

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
( <b>F</b> )	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	- 31	D.B./W.B.	Dry Bulb	Wer Bulb	Dew Poin
5 / 55				. 4	• 1			,				i					•	4	4		
4/ 53		i .	. 1	• 1						<u> </u>							4	. 2	2		
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1 47		2.6	1.7	. 4							į.							3.3	33	21	1
. / 45	.1	4.8	3.2							<u>.</u>			;				<b>.</b>	, 72	. 72	42	29
4/ 43	. 4		2.2	• 1				!										4.5	45	58	38
2/ 41	1.1		1.3	• 2	: 		<del> </del>	<del></del>									<del>-</del>	45		43	51
1. 1 to	. 1		1.6				i į	Į.										60		38	40
3/37			2.2		<del></del>									··			<b>+</b>	60		69	33
/ 35	• 2												,		!			76	76	49	62
3 / 33	1.7	+	3.6	• 2	L,		<b>i</b> —	<del></del>		<del></del>							·	. 39		91	7.3
L/ 31	1.2						!			I .	•							70		112	54
7 7 9 1		5.6		•						+	+	<u>-</u>	<del></del>				+	61	61	<u>90</u>	51
2 / 27.	3.6				;		1	<u> </u>		1	i I							77	77	53	104
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Element (X)		2 x'			ZX		X	· .	T	No. O	18,				Mean I	to, of H	ours wi	h Tempera	ture		
Rei. Hum.			7426		593	94	82.9	10.0	30	8	37	: 0 F	,	32 F	± 67	F .	73 F	- 80 F	≥ 93 F		Ferel
Dry Bulb		106	5942		289	40	34.6	8.8	39	8	37			36.7	[						93
Wet Bulb		95	9137		274			8.3		. 8	37			46.4							93
Dew Paint		εo	8662		249	12	29.8	8.9	55	8	37			56.7							93

I USAFETAC NOW 0.26-5 (OL.A) BENNED RENIGHS OF THIS FORM ARE ORLOUTED IN

GLERAL CLIMATOLOGY BRANCH USAFETAC A. REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

147	RAMST	EIN A	BOL				7	3-81								DE	
STATION			5	TATION NAME							YE	ARS				MON	TH
														PAGE	į	1270	
Temp.				W	ET BULB	TEMPERAT	URE DE	PRESSION	(F)					TOTAL		TOTAL	
(F)	0 1-	2 3 - 4	5 - 6	7 - 8 9 - 1	10 11 - 12	13 - 14 15	- 16 17	- 18 19 - 2	0 21 - 22	23 - 24 2	25 - 26	27 - 28 21	9 - 30 2 3	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
/ 57			• 1									1 1		1	1		
5 / 55			• 5	• 1					<u> </u>	!		•		5	5	<b>.</b>	
4/ 53	_	1 .2		•			- 1		1 .	1				11.	11		
7/ 51		5 .6		• 1		· · · · · · · · · · · · · · · · · · ·								16	16		
1 41	-	8 . 8		• 1					!					23	20		
/ 47		5 1.7		·					<u>.</u>	· · · · ·				42	42		
1 45		6: 4 - 1			!		1							71	71	50	
4/ 43	.4 2.			• <del>2</del>	-+	·			·					58	58	<u> <u>59</u>.</u>	
7/ 41	•7 2 •		1.2	• 1				:				I		59	59	57	5
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7 37	.7 4.									i		:		79 92	79 92	64 68	6
3 / 33	1.9 5.		• 6	• 1		++						<del></del>	<del></del>	89	<del>9</del> ∠		
2/ 31 ·	1.1 3.							'						58	58 58	118	
/ 29	.5 6.					+			+	+		+		67	67		
1 27		5:1.7			1									51	51	47	12
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2 / 23	5 1			:	1							r .		16	16	17	ī
2/ 21		6	•	<del></del>		+				•		+		7	7	13	
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lement (X)	2 X'			Z x	¥	1 7 7 7 E		, Obs.	<del> </del>					with Temperate			
el. Hum.		9.328 38659		31155	37.2	11.73	1	837	201		32 F	≥ 67 F	* 73 7	- 80 F	• 93	F	Tetal
bry Bulb		60171		29187	34.9			837	├	1 -	6.4	<del> </del>	+		<del> </del>		
Wet Bulb		66 701		26087	31.2			837	<del> </del>		3.4	-		<del></del>	+		
New Point	C	20101	1	20001	3102	7 6 7 3 6	1	3 3 1	L		<del></del>	1					

USAFETAC FORM 0.26-5 (OLA) REVIEW MEMOUS EPRONS OF THIS FORM ARE OSCORER

**PSYCHROMETRIC SUMMARY** 

DEC

1 141 AMSTEIN AB DL STATION NAME PASE 1 1590-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 7 . 8 9 . 10 . 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 0.8 . W.8. Dry Bulb Wet Bulb Dew Poin (F) • 1 1 57 1 5 4/ 53 • 2 • 1 .2 1.7 .7 .4 1 51 5 / 45 .5 1.7 17 17 4 6 / 47 1 2.5 1.1 35 • 5 50 35 4 / 45 . . 3.6 4.8 1.1 • 1 83 83 •4 1•7 2•3 •1 •4 4•2 2•7 1•8 • 2. 39. 4/ 43 39 52. 3.3 72 12 56 . 2 45 27 41 .6 3.1 3.° .7 1.6 3.7 3.1 .7 62 46 3 / 37 76 59 76 45 79. 9 / 35 .2 6.3 4.7 99 <u> 5</u> <u>3</u> 3 / 33 5.9 3.1 .7 98 98 115 c 3 1.1 5.4 .8 .2 .1 .6 5.7 1.4 .1 .2 64 <u>51</u> € 2 62 53 64 1.1 2.8 2.3 .2 53 53 63. 111 1 25 .6 .8 12 12 42 54 / 23 .1 1.2 .1 2/ 21 .4 1.1 12 12 12 25 3 <u>2</u> 1 2 17 13 5 ° 36 .948.930.9 8.6 1.7 836 No. Obs. Meen No. of Hours with Temperature ZX Element (X) 79.412.111 37.1 7.339 34.8 6.896 5389364 836 Rel. Hum. 66356 s 32 F Dry Bulb 1198283 31051 836 24.9 37.9 93 1051252 29080 836 Wet Bulb 25982 836 93

REVISED REVIDUS EDITIONS OF THIS FORM ARE OSSOITTE 0-26-5 (OL A) 12

USAFETAC

SECHAL CLIMATOLOGY BRANCH

AT: MEATHER SERVICE/MAC

USIFETAC

GLEBAL CLIMATOLOGY BRANCH USIFETAC A:- "FATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

147	₽A	MSTE	IN A	a bu						73-81								DE	. С
STATION				51	TATION NA	ME							Y	EARS				MON	
																PAGE	1	16 3-	2760
																		HOURS (L	. 5. T.)
Temp.		,		,						DEPRESSI				<del>,</del>		TOTAL		TOTAL	
(F)	0	1 - 2		5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 1	5 - 16	17 - 18 19	- 20 21 -	22 23 -	24 25 - 26	27 - 28 29	- 30 2 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Por
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4 / 45			3.7										!			58.	5.8	3 % .	_3;
4/ 43			3.0				ì									4.3	43	45	3 1
7/41			2.	• 6	<del>-</del> +		<del>-</del>	<u> </u>	+							55	56	4 <u>1</u> .	
1 / 39			2.3	_				,								67	67	-5	54
3 / 37			2.6	• 2				<del></del>	- +							59.	59	5.9	_ 55
/ 35		5.9		• 4				1								109	1 39	51	5.8
3 / 33			3.2	• 1			<del></del>	<del></del>					<del>-</del>		-	57	87.	94	7.
2/ 31	1.4		2.3					i .	i	+				1		76	76	1.29	5
1 27		5.5						<del></del>						·		56	56	68	7
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/ 25		2.3		• 1	<b></b>		<del>-</del>	<b></b>	÷					·		23	23	42.	81
7 / 23		1.7												i .		23	23	25	5
2/ 21	• 7	1.1					<del> </del>							·		19	19	21	34
/ 1								1	;			1		i	1	11	11	17	27
/ 17	• 5	.7					<b></b>	<del></del>		- +-		+		<b></b>		13	17	13_	26
			i	1				: :			i					3	3	4	17
/ 13		• 1						+			+_			<b></b>		1.			7
/ 11	• 2				4			1	1	;	i			İ		2	- 2	2	7
/ 5	• 4		<del></del>		·			+			+-			ļ		3			
(	• -		į	:					i	1	1				i	2.	2	2	4
1 5			<del></del>				<del></del>							·		·		. =	6
	1 5 7	- 7 .	-	× 3				,	- 1	7	1			i (					1
146	1301	22.1	28.7	3 • 1			+				-+					<del></del>	837		836
,	į		:		1		I I	1 1	1		1	ì				836		836	
i			<del></del> i		<u> </u>		↓	<del>  -</del>		<del></del>	<del></del> .	<del>-</del>		<b>-</b>	<del></del>	<b></b>			
			•				1		1		1			: !	ŀ	1 .			
			<del>+</del>		+		<del>i</del> ——	<del></del>								++			
Ì				:	j		1				:			,	1	1			
lement (X)		2 x'	<u> </u>		ž <sub>K</sub>		¥	-	<del>-, .</del>	No. Obs.	<del></del>			Mag- Mc	of House =	th Temperatu			
el. Hum.			9038		6912	8		10.54		8 3 6	+	0 F	± 32 F	= 67 F	= 73 F	= 80 F	* 93 F	<del>-</del>	etol
ry Bulb			5265		2939		35.1			837	╅╌	7	33.3		+ - / -		* 73 7	· <del></del>	93
for Bulb			25 19	-	2782		33.3			836			44.1	<del> </del>	+-	+	+		93
ow Point			9341		252			8.23		836	-		56.2	<del></del>	<del> </del>	<del> </del>	+	<del></del>	<del>- 93</del>
1 01111											L			1	1	1	1	1	, ,

NOBA 0-26-5 (OL A) service retirous tonose

ISAFETAC NOME A D. D.

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SELMAL CLIMATOLOGY BRANCH
DIFFETAC
ALL AEATHER SERVICE/MAC

1 14" RAMSTEIN AB CL STATION NAME

70613 28535

27192

24856

6.48177

939504

802224

84.410.431 34.1 8.718 32.5 8.192 29.7 8.756

NOM 0-26-5 (OLA)

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Temp.						WE	T BULE	TE	MPER	THEF	DEP	PFSS	ON IE	,						TOTAL		TOTAL	
(F)	0	1.2	3.4	5.6	7 . A										27 . 2	4.25.	24 27	. 24 . 29	30 - 31	D.B. W.B. D	n Bulb		De P
4/ 53		. 4			,	1	11111				100	17	20 2				20,27		301 .		,,		
./ 51		. 1	.8	• 5	1		•	1					i	i						12.	12	. 3.	
/ 43		•1	• 5	. 6		+														10	1 7		•
/ 47		3. "	.1	. 4	1	1														29		. 12.	
/ 45	• 6	2.6	3.1																	5.3	5.3	40	•
4/ 43	. 1	2.4	2.			i	1													3.8	38	31	
27 41	. 1	4 . 4	.6	. 4			-	-										-		46	46	45	
/ 39	. 7	4.2	2.2		<b></b> .	•	· 								~					59	59	. 46.	
3 / 37	1.6	4.3	4.1																	53	6.3	5.2	
/ / 35			3.5	• 5		<del> </del>	+				+									94	74	. A.6.	
3 / 33			3.∩	. 4																96	<b>∓</b> €.	114	
2/ 31			1.7	•1		+	<u> </u>	<u>.</u>								<b>.</b>	_+			5.3.	5.3	1.6	,
/ ^ -		4 . 8		• 1	l															5 8	5 9	c 4	
/ 27		3.1	. 7			ļ			<del></del>							<b></b>				5.8.	58	55.	
/ 25		2.5	_								1									34	34	4 (	
/ 23		2.0	•1		<u> </u>	<b>i</b>														. 26		. 34.	
2/ 21'	2.4					:	ı		:		:									24	24	30	
/ 17		1.3				<del>-</del>	+	+	+		+	<del>-                                    </del>								21	21	<u>15</u> .	
/ 1: ! / 15:	• 5 1 • 3	• 8 • 4					i		ĺ		: !						,		1	12	12	20	
/ 13	103	. 2				+	+		+		├	-+		+			+			14	14	15.	
1 / 11	. 5	. 1		ı	l				:		:	1									5	4	
<del></del> +	• 1					<del>+</del>	+	+-	+			<del>-                                    </del>		+		+				<del></del>	⊋.	<del></del> .	
1 7	1	į				1			1		ļ.	1		1		!	J			i	7	1	
1 5	. 2					<u> </u>		+-	<del></del>			-	-+	+		+		~~ <b>~</b> ~~		<del></del>	— <u>÷</u>		
1 2	. 2	1		ĺ			1	į	í		1		1	:		I				2	,	2	
/ 1	• 1					1	+	+-			!	+-		+		+	-+-		<del></del>	- <del></del>	<u>-</u>	<u>\$</u> .	
/ -1		:				1	ĺ	i	1	i		ì	j.				į	1	1		•	•	
TAL	23.1	1.9	22.5	2.6		1	1	$\top$					1	<del></del>		+	+-			1	837		8
						1	i		- 1		1	ļ	- 1	1			1	- 1		837		8 3 7	

No. Obs.

837

837

837

837

2 0 F

≤ 32 F

34.0

43.9 56.9

**PSYCHROMETRIC SUMMARY** 

Mean No. of Hours with Temperature

= 67 F = 73 F = 80 F = 93 F

DEC MONTH

93

93

SLCBAL CLIMATOLOGY BRANCH USAFETAC ALL WEATHER SERVICE/MAG

## **PSYCHROMETRIC SUMMARY**

-14	PA	MSTE.	IN A	B DL						73-6	3 1								٥ε	E C
STATION					TATION N	AME								YEA	ARS				MON	
																	PAGE	1	AL HOURS	
Temp.						WET	BULBI	FHPFR	ATURE	DEPRE	SSION (F	· ·					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8					,			3 . 24 25	. 26	27 . 28 29	9 - 30   * 31	<b></b> ⊩	Dry Bulb		Dew Por
/ 57			-	٠,	-	, · · · ·	111	10 12		11							2	- 2	••	
5 / 55	i			. 1	•0						- 1	i	1	1	'		14	14		
4/ 53		• 2	• 3		• 1	<del> </del>	· —			+	+		+-				51	51	· ·-•	
2/ 51		. 2		• 3	.1			. ;				1	i				91	91	72	
5 / 45			- 8	. 4		<del></del>	<del></del> -	-		+		<del></del>	-+-	-+			115	112	61	16
4 / 47	-	2.4				1					İ	i	Ì	1	;		256	256	163	38
- / 45	3		3.3	- 4													511	511	341	733
4/ 43	•2			2	-		i			i i				i			333	333	355	245
1/ 41	• 5	3.1	1.5	• 6	·		<del></del>			+ +	<del>`</del>	<del></del>	<del>+-</del>	<del>+</del>			393	391	378	
6 / 34	• 7			• 3		1	. !			! !				1			498	493	347	374
3 / 37	1.3	3.9		• 3		<del></del>				<del>\                                    </del>	+		+-				556	556	486	3 ( )
/ 35		6.5		• 3			,			,				1			777	777	580	50.
3 / 33		5.1		• 3						<del></del>		-+	<del></del>				710	713	859	591
2/31	9	4.9	1.5	• 1	1 _		. i	i		, '			:				505	505	879	476
// 31	1.1			• 1	• •					+	<del>+</del>			+			477	477	557	666
1			• 7		• •					: :				į				486	473	91.
7 / 25	2.6	3.7	. 9	• 0						<del></del>						_ <del></del> ;	195	195	322	534
2 / 23				• )	:			i		,	,	1				i	193	198	213	350
2/ 21	1.4	1.9	•1		- '		<b>-</b>			<del>                                     </del>		<u>_</u>	-+		<del></del>	+	177	177	277	279
			• ;	:		:	i	i		;			1	1		1		139		259
1 / 10	. 9			<b>i</b>													159	174	97	182
1 / 17	• 5	. 4	_		] ,						1	į	į.	i			59			
1./ 15	• 5	• 3	• 7							1	-+						+ 37	<u> 59</u>	<u>67</u>	178
/ 13	• 2	• 3			1 .			}				1		j		1			27	102
1 / 11	- 3	- 1		+	<u> </u>							<del></del>					27	27 25		66
· / 3	• 4	• 7			l i		1			İ	į			- !		1			28	5 8
/ 7	• 3	• 7								<del>  </del>			<u>-</u> _				21	21	21	34
/ 5	• 3				: 		. !				1		1	i .	j	i	19	19	19	39
./ 3	• 1			<del></del>	<u> </u>			<b></b>		+	<del>- i</del>	<u> </u>		<u> </u>			9	9	9.	21
/ 1	•	,		!	! :						1	į		ļ	,		2	?	2	14
<u> </u>	• 2			ļ						<del>                                     </del>		<del>-</del>					3		3	
- / -3		ا اہر ہو م									1	!	į				1			
TAL	17.8	53.0	∠4.8	5.9	. 4			L		1	$\rightarrow$						+ +	6694	· ·	6693
	i			į							Ì			1			6693		6693	
Element (X)		Z g'			ZX		X	•,		No. Ob				_			ith Temperati			
Rol. Hum.		4661			5538			10.8		66		10F	3 3		2 67 F	≥ 73 F	+ 80 F	• 93	F   1	Tetal
Dry Bulb			7361		2337			8.70		66		•					1	-		744
Wat Bulb			3184		2214		33.1			66		•	1							744
Dew Paint		454	1204		2008	2 1	VO D	8.7	-	66		•		7.8	-			1		744

SUMBAL CLIMATOLOGY BRANCH USEFLITAC AT- AEATHER SERVICE/MAC

1 145 BAMSTEIN AB DL

### **PSYCHROMETRIC SUMMARY**

STATION			57/	ATION NA	ME								YEA	ARS				wo	ONTH
																PAGS	1	HOURS	LL 1. 5. 1
Temp.					WETE	ULB T	MPER/	TURE	DEPRES	SION (	:)					TOTAL	-	TOTAL	
(F)	0 1	. 2 . 3 - 4	5 - 6	7 - 8	9 - 10 1	1 - 12 1	3 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	5 - 26	27 - 28 29	- 30 + 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew
., 97															.51	3			
=/ 95				1						:	,	• 7	• 3	• 7:	. 0	37	<b>3 7</b>		
-1 93											• [	• ¬	• 7	•.		35	35	-	•
/ 91	'								1	. 0	. 8	• 0		- 0		4.3	43		
/ 57									• 3	• ?	• 7	• 0	• 0	• ^		6.8	6.6		•
è/ 57							• ^	. 0	0.	. 1	• 5	• 0.	. 2.	•		9.7	9 2		
t/ 35								• •	• 0	. n	• 0	• 5	• 7			98	9.8		•
6/ 85							_ ^	. 1	.1	.1	• C.	• 0	• -			231	231		
/ 21			• )	• 0	• 0	٠,٦	• 1	• 2		• 1	• 0	.0				494	494		•••
/ 79			,	•	- 7		- 2	. 2	. 1	. 1						508	538		
/ 77			• 0		• 1	• 2	• 3	• 2	• 1	• ?						738	739		•
6/ 75				.1	• 2	3.	3.	• 1	• 1.		• 9.					800		ر	,
41 77		. ]	• 1	• 1	• 2	. 4	• 2	• 1		• 7	• 3					943	943	4	
171		•3	:	. 3		. 4	. 2	• 1	• 1	.0	• C.						1151	4.5	
/ 69		•3 •1		. 3	• 6	• ?	• 3	.1		• 0							1425	216	
. / 67		.9 .1		. 4:		. 3	. 1	. 1		.0							1165	613	
6/ 55		.1 .	·	. 4		• 3	. 1	. 1									1621	•	
4/ 53	• 1	.5		. 7		• 3	• 2	. 1	. •0								3923		
./ 51	•	.5 1.1		.7	. 4	• 2	• 1	<u>.n</u>									3047		
/ 59	.1	.7.1.9		. 7	. 3	• 2 <sub>i</sub>	• 2	• 0								3587	3587	3007	16
1 57	•1 1	. 1 1.1		. 4	• 2	• 1	• 1	. 0		<del>-</del>									
. / 55		.2 1.	-,	. 4	. 3	. 1	.0	• 9								3588	3588	3910	
4/ 53		.0 1.5	+	. 4	• 1	• 1	• 7	• 2									3295		
3/ 51		.1 2.		. 4	. 1	. 1	.0	•								3497	3500	4153	3 47
/ 49	• 1 1			• 2	. 1	-1	- C!										2709		
/ 47	• 2 2			. 3	. 1	. 1	• 01		1	i	1		į			3619	3635	4533	3 41
/ 45		.9 2.4		. 4	. 2	. 7			-	+					-	5614	5648	4467	77
4/ 43		1.9		• 2	• 1	. 0	• 0		. !				i			3891	3899	4274	
2/ 41		.8 1.5		• 2	• 7	. 3										<del></del>	4654		
7 39	- / -	.1 1.		. 1	• 0	. []	1				i				1		4114	-	
./ 37		.3 1.5											1		+		3501		
/ 35		.8 1.	1 1	- 3	• 0		}			j	j		į	j	İ		3954		
1-/ 33		.2 1.		. O												<del></del>	3291		
2/ 31	. 2 1	i		• 3	,	İ				Ì	1			i	i		2077		
lement (X)	Zx			X X		X T			No. Ob	. 1				Mean No.	of Hours wi	th Temperat			
el. Hum.			<del>                                     </del>								2 0 F	1	32 F	≥ 67 F	≥ 73 F	- 80 F	+ 93	F	Total
ry Bulb								$\top$					-			1	1		
er Bulb			<del>                                     </del>												1	<del> </del>	1		
ew Point			+					+				+			<del>                                     </del>	+	+	_ +	

SCUPAL CLIMATOLOGY BRANCH COPELTAC AT AFATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

1 14 RAMSTEIN AB OL 73-61 ALL
STATION STATION NAME PAST ALL
HOURS CL. S. T.

Temp.										DEPRE								DTAL		TOTAL	
(F)	0	- 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 -	26 2	7 - 28 29	30 + 3	D.8	3. W.B.	Dry Bulb	Wet Bulb	Dew Po
,	•		• 5	• 1						,										2721	
1 27	• 6	1.8	• 5	• 2						1 1							2	314	2314	2435	511
/ 25	• 2	. 8	• 1	• 1														881	581	1647	285
/ 23	• 2	. 7	. 1															714	714	697	259
2/ 21	• 2	• 3	• 7				•											430	437	້ 6°ິ	153
/ 1°	• 2	. 2	• 1															340	347	4-7	112
/ 17	•1	• 2																195	195	339	78
1 / 15	. 1	• 1	• ~															155	155	169	63
/ 13	•	• 1					4	•		•								०इ	75	174	36
1 / 11	. 1	. 1																3.7	5 <b>7</b>	8.0	20
/	•!	•1					•		<b>-</b>	<del>-</del>								46	96	96	
, ,	•	. )																41	<b>41</b>	42	1.3
<del></del>		•					+		<del>*</del>	*							•	36	36		<b>→</b>
1 :	•	. 1																15	15	-	
1 1						+			*	• •	· - •							4	4	. 6	
/ -	•																	3	3	3	
- / -3				•		<del>+</del>	•			<b>-</b> · · - <b>-</b>									· · · · · · · · · · · · · · · · · · ·	•	• -
- / -5																					
- / -:									•												
T * [	. 4 3	5 . 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	. 9	.5	• 2	.1 .	1		•			, o è 9 a	•	7577
	• 4 3	5 • 5	26.3	12.2	6.9	4.7	3 • 4	2.4	1.4	. 9	.5	• 2	.1 .	1		•:	78	778	, o e 9 a	7377E	
	• 4 3	5 • 5	26.3	12•2	6.9	4.7	3.4	2.4	1.4	. 9	.5	• 2	.1 .	1		•	73				
	• 4 3	5 • 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	9	.5	• 2	.1	1	•	•5	73				
	• 4 3	5 • 5	26.3	12.2	6.9	4.7	3.4	2,4	1.4	. 9	.5	• 2	.1 .	1		•€	78				
	• 4 3	5 • 5	26.3	12•2	6.9	4.7	3.4	2.4	1.4	.9	.5	• 2	•1 •	1		•€	78				
	• 4 3	5 • 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	.5	•2	.1 .	1		• €	78				
	.43	5 • 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	.5	• 2	.1	1		• • • • • • • • • • • • • • • • • • • •	78				
	.43	5.5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	•5	•2	.1' .	1		• • • • • • • • • • • • • • • • • • • •	78				
	. 4 3	5.5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	.5	•2	-1' -			• 6	78				
	• 4 3	5.5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	•5	• 2	-1	1		• • • • • • • • • • • • • • • • • • • •	78				
	.43	5 • 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	•5	•2	•1	. 1	•	• 5	73				
	.43	5 • 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	. 9	.5	•2	•1	. 1	•	• • • • • • • • • • • • • • • • • • • •	73				
	. 4 3	5 • 5	26.3	12.2	6.9	4.7	3.4	2.4	1.4	.9	•5	•2	•1	.1			73				
	.43	5.5	26.3	12.2	6.9	4.7	3 • 4	2,4	1.4	.9	.5	•2	.1 .			• 5	78				
	.43	5.5	26.3	12.2	6.9	4.7	3.4	2,4	1.4	.9	•5	•2	•1			• 5	73				
T^L			26.3			4.7						•2	.1					778			
T^L	2				z <sub>x</sub>		T			No. Obi						of Hours	with To	778	ure	73776	•
Element (X)	Z 2 4 4	x' 8 - 1	1651	5	Z x 8 6 3	35	X 73.7	16.3	12	No. Obj. 767	73	±0 F	1 32		≥ 67 F	of Hours	with Te	778	ure + 93	73776	Toral
	z z 44 19	x² 8 - 1 9 8		5 3	z <sub>x</sub>	35	T	16.3	12	No. Obi	73	10 F		F 3		of Hours = 73	with Te	778	ure + 93	73776	•

SETTAL CLIMATOLOGY BRANCH AL PEATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY DESERVATIONS

1 14 1 RAMSTEIN AB DL 73-81 STATION NAME

S'A' ON		STAT	ON NAME						YEARS				
HRS LST:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
MEAN	33.1	33.0	38.6	39.6	48.3	54.7	57.4	57.1	52.3	44.3	38.8	34.3	44.
C- '5	s • 564	7.225	7.581	7.045	6.930	6.405	5.598	5.495	6.451	7.083	7.478	9.255	11.51
TOTAL OBS	<u>835</u>	761	837	809	837	809	837	837	810	837	810	837.	985
MEAN		72.2		77 7			F# 0		50.4	47.3	77.0		4. *
_ * t. S D									6.779			33.6	42. 11.11
TOTAL OBS					-							236	986
MEAN				38.8					51.0				43.
į − ∂ S D			_						6.668				12.19
TOTAL OBS	537	762	37.	810	837	810	837	835	810	837	810	837	985
MEAN	33.5	34.9	42.1	47.6	57.4	64.1	66.1	66.3	59.0	47.6	40.0	34.5	49.
-11 S D												8.839	. •
TOTAL OBS									810			_837.	9à5
MEAN	30.6	39.3	47.1	52.5	61.9	68.1	70.3	71.3	65.1	52.4	43.4	37.2	53.
1 - 14 5 D	7.425	6.655	7.636	8.814	9.123	9.063	9.147	7.745	7.546	7.762	6.912	7.656	14.96
TOTAL OBS	<u> 37.</u>	762	3 <u>7</u>	8.29	837	810	837	836	809	837	813	837.	985
MEAN	37-D	40.4	us u	57.6	63.2	40.1	71 6	72.5	66.3	67 7	43.4	37.1	54.
-17 S D													15.27
TOTAL OBS							_		809				985
MEAN				50.Q					60.5			35.1	51.
-27 5 D				_	-		8.459	7.408	6.996	6.932	7.384	7.946	14.73
TOTAL OBS	636	761	837	810	837	810	837	837	41.	837	810	837.	985
MEAN	33.5	34.0	40.4	43.1	52.1	58.2	61.4	60.7	54.6	45.4	30.2	34.1	46.
1-23 50									6.241				12.39
TOTAL OBS									813				
				- <del></del>		<del></del>							
ALL SO	34.2								57.4				48.
HOURS S D													14.38
TOTAL OBS	6691	6	<u> </u>	<u>6978</u>	6695	<u> 6478</u>	6696	6693	6478	6696	6478	66941	7886

USAFETAC FORM | 0.89.5 (OLI)

HAL CLIMATOLOGY SPANCH FTAC FATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

YEARS

1 1475 FAMSTEIN AS OL 73-81 STATION STATION NAME

HRS ILST JAN FEB MAR APR. MAY JUN JUL AUG SEP NOV 36.9 44.8 51.7 53.9 54.0 49.9 41.3 31.2 35.9 42.5 36.8 32.4 , S D 7.847 6.876 7.293 6.541 6.344 6.029 5.033 5.068 5.811 6.594 7.432 8.741 837 810 837 835 **761** 837 808 809 837 837 810 825 9843 MEAN 30.7 30.4 34.8 35.1 42.9 49.6 52.0 51.8 48.2 41.5 36.0 32.0 S D 8.087 7.416 7.712 6.596 6.787 6.353 5.195 5.728 6.218 6.738 7.497 8.834 10.598 TOTAL OBS 37 762 837 810 837 810 837 837 810 825 31G 836 9848 MEAN 30.6 30.2 34.5 36.4 45.4 52.4 54.3 53.4 48.8 41.7 36.1 32.0 F **~** ( % − 5 D 8.325 7.614 7.961 6.435 6.297 5.788 5.125 5.530 6.095 6.737 7.594 8.874 11.229 TOTAL OBS 837 761 837 81Q 837 81Q 837 834 81Q 825 81Q 837

31.7 32.6 38.5 42.0 50.1 56.4 58.5 59.0 54.2 44.9 37.9 32.9 7.916 6.451 6.722 5.937 5.991 5.625 5.348 4.563 5.326 6.414 6.984 8.332 44.9 MEAN 5 D 11.883 TOTAL OBS 637 761 837 810 837 809 837 835 810 828 809 837 984 34.Q 35.6 41.3 44.2 51.8 57.8 59.8 60.7 57.3 48.Q 43.1 MEAN 34.9 47.1 S D 6.727 5.934 6.671 6.274 6.069 5.710 5.456 4.648 5.609 6.311 6.383 7.121 11.457

TOTAL OBS 837 762 837 809 837 810 837 836 809 828 810 837 9849 34.2 36.1 41.8 44.5 52.2 58.0 60.2 60.9 57.2 48.4 40.0 34.8 6.447 5.914 6.591 6.066 5.941 5.538 5.258 4.522 5.616 6.317 6.357 6.896 MEAN . - . 7 S D 11.421

TOTAL OBS 837, 762, 837, 810, 837, 810, 837, 837, 809, 828, 639, 836 9849 32.5 33.7 39.7 42.8 50.8 57.1 59.2 59.6 54.9 45.5 38.1 33.3 6.909 5.682 6.682 5.986 5.874 5.493 5.178 4.634 5.458 6.335 6.691 7.475 MEAN 45.7 11.687 TOTAL OSS 836 761 837 810 837 810 837 837 809 828 810 836 9848

MEAN 31.5 31.9 37.2 39.2 47.4 54.0 56.3 56.2 51.5 43.3 37.1 32.5 43.2 7.466 6.019 6.807 6.258 5.939 5.531 5.035 4.736 5.566 6.378 7.202 8.192 11.173 TOTAL OBS 837 762 836 810 836 810 837 837 810 827 810 837

32.0 32.7 37.9 47.1 48.2 54.6 56.8 57.0 52.7 44.5 37.8 33.1 7.602 6.854 7.539 7.163 6.988 6.479 5.952 5.965 6.635 6.952 7.181 8.160 MEAN 44.3 5 D 11.562 TOTAL OB 6693 6092 6695 6477 6695 6478 6696 6690 6477 6614 6478 6693

USAFETAC FORM 0.89-5 (OLI)

SECHAL CLIMATOLOGY BRANCH CLAFETAC A PEATHER SERVICE/MAC

### **MEANS AND STANDARD DEVIATIONS**

DEN-POINT TEMPERATURES DEG F FROM HOURLY DESERVATIONS

1 140 PAMSTEIN AB DL

YEARS

S'AT-ON	1		STAT	ON NAME						YEARS				
HRS LST		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	27.8	27.7	31.7	33.5	41.4	49.1	51.1	51.5	47.7	49.4	34.0	29.7	38.5
	5 D	0.197	7.848	8.655	7.448	7.379	6.69C	5.583	5.602	6.072	6.797	7.898	9.262	11.497
	TOTAL OBS	. <u>_63</u> 3.	761.	837.	808	837	809	837	837	810.	825	310	837	9843
. –	MEAN	27.3	27.0	36.9	31.8	39.8	47.3	49.5	49.6	46.2	39.5	33.3	29.3	37.7
- 14	S D									6.497				11.317
	TOTAL OBS				810.					-		â10		9643
	MEAN	21.2	26.7	30.7	32.9	41.6	49.2	51.2	50.8	46.7	39.7	33.5	29.2	38.3
	S D	8.77	8.573	8.952	7.207	6.945	6.362	5.590	5.876	6.345	6.915	8.129	9.399	11.738
	TOTAL OBS		761	837.	815.	837	810	837	834	810	825	10	837	9845
	MEAN	25.1	28.6	33.4	35.2	43.2	50.4	52.9	53.8	50.3	42.1	34.9	29.8	42.3
-11	S D									5.800				11.764
<u> </u>	TOTAL OBS				810								837	9847
	MEAN	29.7	29.9	33.7	34.4	42.3	49.8	52.2	53.1	50.6	43.5	35.8	31.2	40.6
114	5 D	7.395								6.574				11.323
L	TOTAL OBS												837	9849
	MEAN	29.7	29.8	33.3	33.9	42.0	49.6	52.0	52.7	50.4	43.6	35.5	31.1	40.3
- 17	S D	7.225	7.399	9.293	7.953	7.335	6.496	5.855	5.479	6.493	6.713	7.534	7.971	11.310
	TOTAL OBS	837	762	837.	810	837	810	837	837	809	828	809	836	9849
	MEAN	28.8	29.0	33.0	34.0	42.2	49.9	52.3	53.1	50.4	42.6	34.8	30.2	40.1
- 2	S D	7.367	7.096	9.194	7.815	7.413	6.545	5.905	5.559	5.952	6.703	7.505	8.236	11.604
	TOTAL OBS	836.	761	837.	810	837	810	837	837	809	828	810	836	9548
	MEAN	28.0	28.1	32.4	34.0	42.7	50.1	52.4	52.8	48.8	41.0	34.2	29.7	39.5
1-23	S D	7.760	7.143	8.768	7.429	7.095	6.311	5.596	5.282	5.865	6.627	7.792	8.756	11.649
	TOTAL OBS	8.37	762	836	810.	836	810	837	837	810	827	810	837	2849
	MEAN	2 ± • 3	28.3	32.4	33.6	41.9	49.4	51.7	52.2	48.9	41.6	34.5	30.0	39.5
ALL HOURS	5 D	227 • ق	7.723	8.921	7.598	7.252	6.613	5.847	5.763	6.430	6.920	7.767	8.779	11.569
	TOTAL OBS	6693	6092	6695	6477	6695	6478	6696	6690	6477	6614	6478	6693	73778

USAFETAC FORM 0.89-5 (OLI)

UL EAL CLIMATOLOGY BRANCH A. FETAC A. FEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

1 1 RAMSTEIN AB DL STATION NAME

JA!

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
нтиом	(L.S.T.)	10°∘	20%	30%	40%	50%	60%	70°°	80°,	90%	HUMIDITY	OBS.
J& %.	3-02	1.0.5	100.0	10n.n	100.0	99.6	98.2	54.2	55.9	1:.8	51.4	- 35
	.3-05	100.0	170.0	107.7	163.3	99.8	98.7	84.3	55.7	18.4	51.4	٤₹?
		100.0	100.0	100.0	10 / 0	99.8	98.3	83.6	50.6	18.6	81.3	837
	11	100.0	100.0	102.3	99.9	99.4	98.1	83.2	5 • 5	16.7	85.6	b37
	12-14	1.0.7	110.0	100.0	99.6	99.3	93.8	68.5	3 = 3	10.4	76.7	837
	15-17	1 0.0	105.0	106.7	99.6	98.8	92.0	65.4	35.6	7.4	75.6	± 3.7
	14-26	170.0	100.0	100.0	100.0	99.8	97.4	80.9	4 7 . 3	12.4	79.6	635
	21-23	100.0	100.0	100.0	100.0	100.0	98.0	83.4	54.4	15.4	80.6	837
			-					-				
10	TALS	1 '0.0	100.2	100.0	99.9	99.6	96.8	79.1	49.5	14.7	79.7	6693

USAFETAC 0-87-5 (OL A)

LL MAL CLIMATOLOGY ARANCH LARTAC A EATHER SERVICE/MAC

RELATIVE HUMIDITY

1.4	"AMSTEIN AB DL	73-81
STATION	STATION NAME	

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD

	HOURS			PERCENTAC	SE FREQUE' CY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°.	80°.	901	RELATIVE HUMIDITY	NO OF OBS
£	.0-02	100.0	130.0	100.0	79.9	99.6	97.1	£3.5	61.5	19.3	11.2	761
	3-05	1.0.3	ם.כרו	100.0	100.0	99.7	98.0	64.4	63.5	19.7	81.5	763
	.6 <b>-</b> n8	130.0	100.0	100.0	100.0	99.7	98.2	63.C	55	16.6	F1.1	761
	9-11	100.0	100.0	100.7	100.0	98.8	95.5	72.	47.2	12.6	75.4	761
	12-14	100.0	100.0	100.0	98.4	90.7	72.8	46.6	27.2	7.7	77.1	763
	15-17	100.0	100.0	99.5	96.6	85.8	66.1	40.7	2 3 . 5	6.4	67.6	760
	12-27	130.3	178.0	100.0	99.1	96.7	89.0	60.1	33.5	2.3	74.6	761
	21-23	170.0	100.3	100.0	99.6	99.2	96.6	78.9	51.5	16.7	79.4	762
to	TALS	100.0	100.0	99.9	99.2	96.3	89.2	68.8	45.8	13.3	76.7	609

USAFETAC FORM 0-87-5 (OL A)

SETBAL CLIMATOLOGY BRANCH US OF ETAC

Al WEATHER SERVICE/MAC

RELATIVE HUMIDITY

RAMSTEIN AB DL STATION NAME

73-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH	(L.S.T.)	10%	20°∘	30%	40%	50%	60%	70°	80°.	90-,	HUMIDITY	OBS
маг	.a-n∂	100.0	100.0	100.0	99.4	97.8	91.0	72.3	43.3	17.6	77.1	37
	ธุร-กร	137.6	170.0	100.0	99.8	98.6	92.7	76.~	47.6	17.9	78.5	337
	56 <del>-</del> 08	130.0	100.0	100.0	100.0	99.3	93.1	77.5	45.1	13.3	76.8	837
	39-11	100.0	100.0	99.9	98.8	93.2	79.2	54.4	30.1	7.3	72.1	337
	12-14	130.0	99.9	97.5	90.7	73.8	52.4	28.1	10.3	2.4	61.4	£37
	15-17	100.0	99.5	95.7	84.3	65.9	40.7	23.5	ಕ. 5	2.9	56.1	6.7.7
	13-25	130.0	99.9	98.2	93.1	82.8	63.3	38.9	1 7 . 4	3.6	65.5	د 37
	21-23	100.6	100.5	100.0	98.4	94.9	83.9	60.2	32.2	9.2	77.7	835
10	TALS	1,0.0	29.9	98.9	95.6	88.3	74.5	53.9	27.4	7.9	76	6695

USAFETAC 0-87-5 (OL A)

2

STITE CLIMATOLOGY BRANCH COMPETAC AT MEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

1: 148	AMSTEIN AB D	L _
STATION		STATION NAME

3-81

APR

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	, — ——		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
нтиом	(L.S.T.)	10%	20%	30%	40%	50%	60°.	70°•	80°-	90°-	HUMIDITY	OBS.
.63	:0-02	100.7	100.0	100.0	99.6	98.	91.3	75.1	47.7	11.1	77.8	<u> </u>
	_3-05	130.0	100.0	100.3	99.9	99.4	95.8	83.7	61.7	14.3	8 - 8	e <b>1</b> 0
	6-08	100.0	100.0	100.0	99.6	99.1	95.1	81.0	54.9	12.2	79.8	810
	17-11	1.00.0	100.0	99.4	92.7	77.9	56.8	36.8	1 0.5	2.6	64.1	813
	17-14	100.0	99.9	92.2	72.3	48.2	31.0	19.2	7.1	1.6	52.9	809
	15-17	100.0	99.3	85.8	61.7	44.0	29.6	19.8	ತ•5	2.0	5~.7	815
	18-2	מ.סרו	99.8	93.6	78.0	57.5	41.5	29.0	12.8	1.5	57.1	510
	21-23	130.0	100.0	99.9	98.1	92.5	78.0	54.1	27.7	6.9	71.6	810
	ļ	ļ	<del> </del>	-								
					ļ		ļ	ļ				
				ļ	ļ		ļ	ļ				
	<u> </u>											
TO	TALS	100.0	99.9	96.4	87.7	77.1	64.9	49.8	29.8	6.5	66.8	£477

USAPETAC FORM 0-87-5 (OL A)

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SLIBAL CLIMATOLOGY BRANCH USAFETAC A1: «EATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

1 CL40 RANSTEIN AB DL
STATION STATION NAME

· 8 1

M A Y

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	•		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	EATER THAN			MEAN	TOTAL
MONTH	(L S.T.)	10%	20°c	30%	40%	50%	60%	70°.	80	90	RELATIVE HUMIDITY	NO OF OBS
12.4	. 5-02	130.0	170.0	100.0	99.3	97.5	93.2	79.1	45.6	11.3	74.3	<u>e37</u>
	u 1-05	1 3.0	130.3	100.3	99.6	98.7	95.8	85.4	55.9	14.7	27	A \$ 7
	6-08	130.0	100.0	100.0	99.8	96.8	96.2	73.0	45	7.4	76.5	637
	9-11	100.0	100.0	98.7	90.7	74.2	49.6	29.2	11.1	1.5	519	6 7 7
	12-14	100.0	99.9	91.9	71.9	46.2	26.2	15.5	ु,• २	• 4	F1.1	£ ₹ 7
	15-17	100.0	99.9	86.1	61.5	41.3	23.9	12.9	5.3	1	45.6	837
	13-20	100.0	99.9	93.2	76.7	56.6	36.7	21.9	3.7	•8	54.7	637
	21-23	100.0	100.0	99.9	97.6	92.2	80.5	60.5	27.4	4.4	71.5	836
											<b></b>	
	<u> </u>			ļ								
<b>.</b>	<u> </u>											
10	TALS	130.0	100.0	96.2	27.1	75.4	62.0	47.2	25.2	5.3	55.4	6695

USAFETAC POM 0-87-5 (OL A)

TE TAL CLIMATOLOGY BRANCH FETAC AT EATHER SERVICE/MAC

RELATIVE HUMIDITY

1 145 AMSTEIN AB DL 73-81 JEN
STATION STATION NAME MERIOD MOREST

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	EATER THAN			MEAN	TOTAL NO OF
MONTH	(LST)	10%	20°¢	30°.	40%	50%	60%	70%	80*	90	HUMIDITY	OBS
J_ <u>\</u>	7-32	170.0	100.0	100.0	100.0	99.3	96.5	88.4	57.8	19.5	21.3	5-9
	3-15	1 10.0	170.	100.0	103.0	100.C	98.5	91.9	6.8	26.5	34.1	617
·	. 6-08	130.0	170.0	100.0	99.6	98.6	93.5	80.7	4265	12.5	78.4	615
	11	100.0	170.0	98.6	93.2	80.3	57.5	31	1 .1	2.0	62.8	879
	1 7-14	100.0	99.6	95.6	81.5	55.6	30.7	16.4	5.9	2.7	54.3	61
	15-17	1.0.0	99.3	93.5	76.8	48.0	26.8	14.6	3.5	1.4	52.4	51
	1# -2.	130.0	99.8	96.2	87.2	64.0	39.5	23.1	11.7	2.3	58.	81
	1-23	1:0.5	100.0	99.8	98.8	95.2	84.9	64.0	32.7	2.9	74.3	813
	<del> </del>		<del> </del>		<del> </del>	<del> </del>	ļ			, 	:	!
			<del> </del>			<del></del>						
												l
10	TALS	100.0	99.8	98.0	92.1	80.4	3.66	51.3	2 7.2	9.5	6F • 2	6478

USAFETAC FORM 0-87-5 (OL A)

SECRAL CLIMATOLOGY BRANCH SEFETAC AL FATHER SERVICE/MAC

### RELATIVE HUMIDITY

1 1	PAMSTEIN AS OL	73-81	
STATION	STATION NAME	PERIOD	MONTH

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L 5.T.)	10%	20%	30%	40%	50%	60%	70°•	80°.	90°-	HUMIDITY	NO OF OBS
J.L	. G <b>-</b> 02	100.0	100.0	100.0	99.8	99.6	94.6	84.0	50.2	15.4	3n.0	837
	63-05	100.0	100.3	100.7	100.0	130.0	95.9	90.4	5 5 . 3	23.2	92.5	837
	6-08	100.0	100.0	107.0	99.6	99.2	92.8	81.2	42.4	13.0	79.3	837
	9-11	100.0	100.0	98.9	95.5	84 • C	58.3	33.0	1:02	3.0	63.7	637
	12-14	1 10.0	99.5	95.8	83.4	56.3	31.8	16.6	6.5	2.4	54.9	837
	15-17	133.5	99.3	94.7	76.9	47.4	26.6	15.7	5.9	1.3	52.3	837
	18-20	100.0	99.6	97.3	88.8	65.8	37.0	23.3	9.2	1.8	57.3	837
	1-23	199.0	100.0	99.9	98.7	96.3	82.4	65.0	27.5	6.5	73.2	337
						ļ						
				1								
10	TALS	100.0	99.8	98.3	92.8	81.1	64.9	51.2	26.5	6.3	67.9	6696

USAFETAC 0-87-5 (OL A)

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SLEMAL CLIMATOLOGY RRANCH STAFETAC ATE REATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

1 7 . 140 STATION	KAMSTEIN AB OL STATION NAME	73-61	A U U MONTH
	• • • • • • • • • • • • • • • • • • • •		

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	,		PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60°-	70%	80°c	90°s	HUMIDITY	OBS
1.05	30 <b>-</b> 02	100.0	100.0	100.0	100.0	99.5	94.9	91.3	55.1	27.2	31.9	617
   	:3-05	100.0	130.0	100.0	100.7	100.0	97.6	93.4	63.8	27.1	34.2	837
:	16-08	100.0	100.0	100.0	100.3	99.5	96.4	88.7	5 2 . 2	20.7	31.5	834
	ن9 <b>-11</b>	100.0	100.6	100.0	96.9	85.0	62.5	37.7	12.7	3.4	65.4	a <b>?</b> 5
	10-14	100.0	100.3	97.6	81.7	53.5	31.6	17.9	5.5	1.1	54.6	ხ35
	15-17	150.0	100.5	95.3	75.1	45.4	24.9	13.7	4.9	.7	51.7	637
	18-20	130.3	100.6	98.3	89.5	68.8	48.3	27.8	10.0	1.9	61.0	837
	21-23	130.0	100.0	100.3	99.9	98.2	89.8	72.5	32.6	9.4	7' -9	837
						-			-			1
TO	TALS	100.0	100.0	98.9	92.9	81.2	68.3	55.4	29.7	10.6	59.4	6690

USAFETAC FORM 0-87-5 (OL A)

GL.BAL CLIMATOLOGY BRANCH WARFETAC AT REATHER SERVICE/MAC

2

RELATIVE HUMIDITY

1 (140	RAMSTEIN AB DL	73-81	
STATION	STATION NAME		PERIO

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF OBS
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80°:	90°∘	RELATIVE HUMIDITY	
SEP	50-02	130.0	100.0	100.0	100.0	99.9	98 • 3	90.7	65.9	36.7	84.8	71
	03-05	100.0	100.0	100.0	100.0	100.0	99.4	91.4	66.3	41.6	86.0	51.
	j6−08	100.0	100.0	100.0	100.0	100.0	99.6	93.0	65.1	36.7	85.4	e 1
	19-11	100.0	100.0	100.0	99.9	96.5	62.8	61.2	30.2	11.1	73.7	8.1
	12-14	100.0	100.0	99.9	92.7	74.5	49.2	26.9	9.9	2.7	51.1	879
	15-17	100.0	100.0	99.6	95.7	69.6	42.8	22.9	7.2	1.7	58.9	an:
	18-20	100.0	100.0	99.9	99.5	92.3	76.6	54.77	23.7	6.2	70.6	C S
	21-23	100.0	100.0	100.0	100.0	99.4	96.4	86.9	5 3 . 7	22.3	91.3	81
					-	<del> </del>						
TO	TALS	130.0	100.0	99.9	97.9	91.5	80.6	65.0	40.3	19.9	75.2	547

USAFETAC FORM 0-87-5 (OL A)

HE HAL CLIMATOLOGY BRANCH · I · ETAC A: FEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

DCT MONTH

1+0	-AMSTEIN AB DL	73-81	
STATION	STATION NAME	PE	RIOD

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL
MONTH	(L S T )	10%	20%	30%	40%	50°∘	60%	70°-	80°-	90	HUMIDITY	NO OF OBS
. C T	0-02	130.0	100.0	107.2	100.0	100.0	98.9	95.8	77.1	37.3	76.2	823
	7-05	190.3	100.	100.0	100.0	100.0	99.8	97.6	77.8	39.5	-6.8	325
	.6-78	1:0.0	130.6	100.0	100.3	100.0	99.8	97.7	79.7	37.3	56.5	025
	,4-11	130.3	170.3	107.0	99.9	99.5	97.3	87.4	57.2	19.7	\$1.0	<b>0</b> 7 3
	12-14	130.0	100.0	100.5	99.3	94.9	81.5	58.1	3 : 4	9.3	72.7	829
	15-17	1un.0	100.0	99.9	98.9	93.1	77.7	55.7	26.2	5.2	7 . 9	678
	13-2	100.0	100.0	100.7	100.0	99.9	97.2	85.7	55.0	16.3	37•8	373
	21-23	100.0	100.0	100.5	100.0	100.0	99.2	94.1	70.9	27.9	84.5	027
	-		<del> </del>	ļ			-		ļ		<del></del>	
		ļ	<u> </u>		ļ			<del> </del>	ļ <u>-</u>	ļ		
		<del> </del>			ļ	ļ	! <del> </del>	ļ	ļ			
	<del></del>											
10	TALS	130.0	100.0	100.0	99.8	98.4	93.9	84.	59.2	24.3	81.3	6614

USAFETAC 0-87-5 (OL A)

2

SE HAL CLIMATOLOGY BRANCH HOSFETAC ALL REATHER SERVICE/MAC

RELATIVE HUMIDITY

1 1.4 PANSTEIN AB DL 73-81 NOVERTHER STATION NAME PERIOD MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	GE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF OBS.
MONTH	(£ \$.T.)	10°•	20°،	30%	40%	50%	60°,	70~.	80	90	HUMIDITY	
1.3.	00-02	117.7	10n.o	100.0	150.5	99.6	98.0	89.4	64.3	23.5	-3.1	<u>81</u> .
	03-05	137.3	100.0	100.0	99.6	99.6	98.1	92.1	6 1	25.3	27.9	<u> 51</u>
	6-36	130.0	100.0	180.3	155.0	99.9	98.4	91.5	65.8	23.3	94.2	51
	9-11	100.0	100.0	100.7	103.5	100.0	98.6	88.5	6.1	13.8	47.1	3 ' 4
	12-14	100.0	110.0	100.0	99.8	98.1	89.5	65.8	34.6	7 . 8	75	31.
	15-17	110.0	170.0	100.7	99.1	97.2	86.9	64.0	23.5	8.9	74.5	ه^ ه
i	[8 <b>-7</b> 8	100.0	100.5	100.0	100.0	99.9	95.4	83.1	54.7	19.1	1 - 3 - 3	51
	1-23	130.0	173.0	100.3	100.0	99.6	97.3	86.8	61.0	24.?	*2.3	ê <b>1</b> .
											<b></b>	<del></del>
											ļ	
TO1	TALS	1.3.0	110.0	100.2	99.8	99.2	95.3	82.4	55.5	19.5	7	· 47

USAFETAC FORM 0-87-5 (OL A)

FE. BAL CLIMATOLOGY BRANCH SAFETAC AT WEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

T 147

AMSTEIN AB EL STATION NAME

73-81

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN											
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60°.	. 70°	80°.	90%	- RELATIVE HUMIDITY	NO OF OBS		
D- C	0-02	100.0	100.5	107.0	100.5	100.0	99.8	87.5	67.0	36.3	94.5	037		
	7-05	130.7	170.3	100.3	130.0	100.0	98.9	88.6	65.4	37.4	34.6	836		
	e-∩a	1.30.0	170.3	100.3	100.0	100.0	98.8	90.3	6.	33.E	4.3	837		
	7-11	100.0	170.6	103.3	100.0	100.0	98.2	86.0	62.7	28.9	52.3	537		
	12-14	100.0	100.0	100.0	79.5	98.9	93.0	76.6	5 . 3	19.7	70.4	537		
	15-17	ם.סיג	100.0	100.3	99.4	98.8	93.1	74.4	51.0	21.7	79.4	336		
	14-2	170.0	170.0	130.0	100.0	99.6	98.4	83.5	59.6	29.€	92.7	535		
· · · · · · · · · · · · · · · · · · ·	_1-23	1 10.0	100.0	107.7	100.0	99.8	98.6	86.9	65.8	35.8	34.4	837		
		<del> </del>			-	<del> </del>				<u> </u>	:	<u> </u>		
τo	TALS	160.0	130.0	100.0	99.9	99.6	97.2	84.2	61.1	30.4	F2.8	5603		

USAFETAC 0-87-5 (OL A)

JLGBAL CLIMATOLOGY BRANCH DS4FGTAC A12 REATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

ι	. 1 + .	RAMSTEIN	AB JL
	STATION		STATION NAME

77-81

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	T		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN	·		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	80°c	90°∘	- RELATIVE HUMIDITY	NO OF OBS
AL.	ALL	1.0.0	130.0	100.0	99.9	99.6	96.8	79.1	4 7.6	14.7	79.7	6693
e e r		179.7	173.3	99.9	99.2	96.3	89.2	68.8	45.8	13.3	76.7	6292
6 N.C		130.7	99.9	98.9	95.6	88.3	74.5	53.9	29.4	7.9	77.65	6693
., D .,		100.0	99.9	96.4	87.7	77.1	64.9	49.8	29.8	6.5	66.8	6477
** & Y		1:0.0	100.0	95.2	87.1	75.4	62.0	47.2	25.2	5.3	65.4	1695
JUN		100.0	99.8	98.7	92.1	80.4	66 • C	51.3	23.2	9.5	68.2	+473
JUL		130.0	99.3	98.3	92.8	81.1	64.9	51.2	2 5 . 5	8.3	67.3	5654
2001.		100.0	100.0	98.9	92.9	81.2	68.3	55.4	29.7	10.6	69.4	6695
(7F		100.0	100.0	99.9	97.9	91.5	80.6	65.9	4.0.3	19.9	75.2	:477
o <b>c</b> t		170.0	100.0	100.0	99.8	98.4	93.9	84.0	59.2	24.0	81.3	6514
NOV		ר.000	190.0	100.0	99.8	99.2	95.3	82.4	55.5	19.5	88.7	5475
oec_	 	100.0	100.0	100.0	99.9	99.6	97.2	84.2	61.1	30.4	32.8	F691
101	TALS	100.0	100.0	98.9	95.4	89.0	79.5	64.4	41.1	14.2	72.7	70773

USAFETAC 0-87-5 (OL A)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

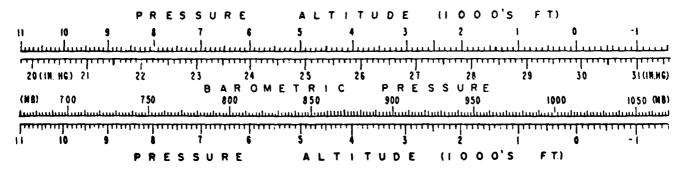
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



CLIEAL CLIMATOLOGY BRANCH A REATHER SERVICE/MAC

### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HE FROM HOURLY OBSERVATIONS

1 147 RAMSTEIN AB DL 73-81

S'AT-ON	ı		STAT	ON NAME			<del></del>			YEARS				
HRS LST		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	29.199	29.1462	9.1132	9.136	29.1392	9.190	29.1862	29.2142	9.229	9.165	29.2367	9.130	29.17
£.	S D	. 322	.337	.266	.196	. 186	.155	.143	.138	.185	• 2 <del>6</del> 5	.283	.377	• 25
	TOTAL OBS	219	254.	279	273.	279	<b>27</b> 0.	279	279.	272	279.	270.	279	328
	MEAN	29.194	29.1362	9.1022	9.1272	29.1312	9.1842	29.1772	29.2372	9.227	9.155	29.2292	9.123	29.169
	S D		.339					.143				282		.254
	TOTAL OBS		254.											3285
	MEAN	29.189	29.1412	9-1082	9-1362	29-1432	9.196	9-1862	79.2152	9.229	9-155	9.2292	9.121	29.171
	S D		.343							.198				.25
	TOTAL OBS		. 254.		_	_							279	3286
	MEAN	29.21	29.1572	9-1272	9-1442	29.1862	9.2002	79.1902	79.2742	9.244	9-173	79.7492	9.141	29.184
:	S D		.345			.191		.145				283		. 256
ļ	TOTAL OBS		254.			279							279	328
	MEAN	29-197	29.1542	99.1112	9-127	20.133	9-180	29.180	29.2112	9.227	29-161	29.2352	9.128	29.171
	S D		.339			.188					271		376	253
<u> </u>	TOTAL OBS					279							-	328
	MEAN	29.186	29.1342	29.0872	9.1843	29-1172	9.173	29.1642	29.1962	9.207	9.146	29.2192	9.118	29.15
	S D		.334			.184						279		249
	TOTAL OBS		. 254.		. –	279.	_							328
	MEAN	29.197	29.148	29.1962	9.108	29.1152	9.168	29.158	29.190	29.211	29.161	29.2302	9.129	79.15
-	5 D		.333			.177								. 24
	TOTAL OBS	219	254.	279.	270	279	270.	279	279	270.	279	270.	279	329
	MEAN	29.201	29.156	29.1122	9.133	29.1912	9.191	29.178	29.2142	9.230	29.172	29.2362	9.138	29.17
2	S D		.335											. 25
	TOTAL OBS		254											
	MEAN	29.197	29.1467	29.1072	9.127	29.1332	9.186	29.177	29.2092	9.225	9.161	29.233	9.128	29.169
ALL HOURS	S D	.318	- :			.186	- ,							
	TOTAL OBS	2232				2232.							2231	26286

USAPETAC FORM 0-89-5 (OL1)

